HARI (Hari's Academic Regionals(-minus) Invitational): "Unfortunately, all my test animals have died or escaped, so I shall be the final subject. I feel no fear. This is a Harimomentous night."

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ROUND 8
Tossups

1. **A member of this family mocked Thomas Dewey as the "bridegroom of the wedding cake." That member of this family was given the dog Manchu by Dowager Empress Cixi while serving as a goodwill ambassador to Asia. Another member of this family accompanied Amelia Earhart on an impromptu flight to Baltimore. In response to Marian Anderson being banned from performing at** (*) Constitutional Hall, a member of this family resigned from the Daughters of the American Revolution and recounted that experience in the column "My Day." That member of this family worked with Rene Cassin and others to co-author the Universal Declaration of Human Rights. For 10 points, give this family whose member Eleanor served as first lady for four terms.
ANSWER: **Roosevelt** (The first two clues refer to Alice Roosevelt.)
<American History, Parameswaran>

2. **This man rediscovered a statement proved by Cesare Burali-Forti involving ordinals, which is generalized by a statement named for this man. That statement named for this man has an analogue in the philosophy of language named for Grelling and Nelson. This man developed a "ramified" type theory to resolve an inconsistency he derived from Axiom V of a "naive" system developed by Gottlob (*)** Frege. By banning unrestricted comprehension and universes, Zermelo and Fraenkel developed a system that avoids that problem named for this man. A paradox named for this man concerns the set of all sets that are not members of themselves. For 10 points, name this British logician and student of Alfred North Whitehead.
ANSWER: Bertrand **Russell** [accept **Russell**'s paradox]
<Philosophy, Zhang>

3. **These objects correspond to 3-connected planar graphs according to Steinitz's theorem. A result in rigidity theory, Cauchy's theorem, gives a congruence condition for these geometric objects. If one of these objects can be dissected into another, they must have equal Dehn invariants. If they obey certain symmetry conditions, these objects can be specified by a two-term Schläfli symbol. A set of 13 of these objects named for (*)** Archimedes are uniform and have identical vertices. Euler proved that these objects obey the equation "V minus E plus F equals 2" since 2 is their Euler characteristic. These objects are Platonic if they are both regular and convex. For 10 points, name these 3-dimensional solids that have polygon faces and flat edges.
ANSWER: (convex) **polyhedron**s [or **polyhedra**; or polyhedral **net**s; accept types of **polyhedron**s like regular **polyhedron**s; accept **3-polytope**s or **polytope**s in **3** dimensions; prompt on solids; prompt on polytopes with "in how many dimensions?"; antiprompt on Platonic solids or Archimedean solids]
<Math, Chen>

4. **In July 2021, this country's foreign minister resigned after claiming that its navy had been responsible for terrorism. To avoid mourners, this country's justice minister suggested cremating the body of a guerilla leader from here who died in September 2021. This country's president iconically wears a giant straw hat and holds a large yellow pencil. A former first lady who lost in this country's last three presidential runoffs is a member of this country's (*)** Fuerza Popular **("FWER-zah paw-pu-LAHR")**. This country's president, a former schoolteacher, was accused of having ties to Shining Path during its 2021 elections. For 10 points, Pedro Castillo defeated Keiko Fujimori to become the president of what South American country once led by Fujimori's father Alberto?
ANSWER: Republic of **Peru** [The guerilla leader is Abimael Guzmán.]
<Current Events, Nageswaran>

5. **A poem which talks about "star-dust, Earth-dust, and cloud-dust" concludes by saying a handful of dust named for these things is "not for sale." The "boogie-woogie rumble" of one of these things is described in a poem. The poems "Motto" and "Theme for English B" are included in a collection titled for a "Montage" of these things. In one poem, it is stated that without these things, "life is a (*)** barren field frozen with snow." A poem about one of these things ends by asking "does it explode?" In that poem, the poet asks whether a type of these things "stink like rotten meat" or "dry up like a raisin in the sun." For 10 points, name these things that in the poem "Harlem" by Langston Hughes are "deferred."
ANSWER: **dream**s [accept "a **dream** deferred"; accept "Montage of a **Dream** Deferred; accept "**Dream** Dust"]
<Non-Epic Poetry, Nageswaran>

6. **A Franciscan brotherhood near one of this artist's homes inspired this artist to paint a series depicting black crosses in the night sky. While teaching in Texas, this artist created several charcoal drawings that would later be exhibited thanks to Anita Pollitzer. This artist was inspired by the view from an airplane to paint *Sky Above Clouds IV*, one of the last works she created while staying at the "Black House" in (*)** Abiquiu **("AB-ih-kyoo")**. This artist painted a landscape which depicts two objects floating in a cloudy sky above rolling hills. This artist strongly denied that a painting of hers which depicts flower petals in shades of black symbolized genitalia. For 10 points, name this artist who painted scenes of the American Southwest.
ANSWER: Georgia Totto **O'Keeffe**
<Visual Fine Arts, Parameswaran>

7. **The Amal Militia targeted refugees of this ethnicity in the War of the Camps. Dennis Ross has been one of the proponents of a myth that a leader of these people outright rejected the "Clinton Parameters." The Peel Commission investigated the causes of a general strike organized by these people in 1936. Terrorists of this ethnicity landed four hijacked airplanes in Dawson's Field during the** (*) Black September conflict. Over 700,000 of these people fled during a mass exodus known as al-Nakba. Operation Wrath of God was a response to the murder of Olympic athletes by terrorists of this ethnicity in the Munich Massacre. For 10 points, give this ethnicity of Yasser Arafat, whose PLO fights for the sovereignty of these people from Israel.
ANSWER: **Palestinians** [prompt on Arabs]
<World History, Parameswaran>

8. **A group of characters in this novel are followed by shadows like "silver jets in a blue church sky" or "moths in a beam of light." A character in this novel worries about her mother loving her "a little less" when she imagines a moth landing on her heart. A servant in this novel removes his glass eye and gives it to a blind woman whose daughter had sex with his son in the History House. At a showing of *The (*)** *Sound of Music*, a character in this novel is molested by the Orangedrink Lemondrink Man. In this novel, three children attempt to run away from home in a boat repaired by the untouchable Velutha, leading to Sophie Mol's drowning. For 10 points, name this Arundhati Roy novel about the two-egg twins Estha and Rahel.
ANSWER: *The **God of Small Things***
<Long Fiction, Faeder>

9. **Inflammation in this condition is caused by the production of cytokines triggered by the activation of TLR2 by a Cutibacterium. The iPLEDGE program regulates a highly teratogenic treatment for this condition, requiring women to test negative twice on a pregnancy test and be on multiple forms of birth control. Benzoyl peroxide and isotretinoin are treatments for this condition that causes the formation of comedones and the presence of inflamed (*)** papules and pustules. Dihydrotestosterone promotes the production of sebum by sebaceous glands in this condition, which causes dead cells to accumulate around follicles. Approximately 80% of adolescents in Western countries experience, for 10 points, what condition characterized by oily skin, pimples, whiteheads, and blackheads?
ANSWER: **acne** vulgaris [prompt on answers referring to a disease affecting the skin]
<Biology, Chen>

10. **It's not Arthurian, but the *Josippon* is the likely source for this book's early description of a dream in which two dragons fight. While reading this book aloud, it is customary to use only one breath while naming all 10 sons of one figure. A figure in this book vows to fast for three days and nights with seven maids, stating "If I perish, I perish!" Like the Song of Solomon, this part of the *ketuvim* does not directly mention God. This book is the one most often read from a (*)** *megillah* scroll, and is usually read twice on consecutive days. In this book, a plot by Bigthan and Teresh to kill King Ahasuerus is foiled by Mordecai. This book's namesake stops Haman's plot to kill the Jews of Persia. For 10 points, name this book whose title figure is celebrated during Purim.
ANSWER: Book of **Esther** [accept **Megillah** or **megillat Esther** before "megillah" is read] (The leadin refers to the tradition of reading the names of all of Haman's sons in one breath.)
<Religion, Shanmugam>

11. **In one play by this author, the pacifist teacher Mr. M is killed by revolutionaries after trying to get Isabel and Thami to join a literary contest. An atheist in a play by this author denies liking Mohammed when another character equates Jesus' importance to that of Tolstoy. This author of *My Children! My Africa!* described a prisoner who breaks down after his friend describes freedom to him before putting on a performance of (*)** *Antigone*. This author of *The Island* created a character who writes about a "world without collisions" before spitting in Sam's face and lamenting "you can't fly kites on rainy days." For 10 points, name this anti-apartheid South African playwright of *Master Harold… and the Boys*.
ANSWER: Athol **Fugard** [or Harold Athol Lanigan **Fugard**]
<Drama, Schwartz>

12. **Friedrich Hund proposed the existence of this phenomenon to resolve a discrepancy in molecular spectra caused by stereomutation. In one model, the probability of this process is proportional to the negative exponential of the square root of the quantity two mass times V minus E, all over h squared. Classical methods overestimate the energy required for stellar fusion because this phenomenon allows nuclei to bypass the (*)** Coulomb barrier. The WKB approximation can be used to approximate the probability of this phenomenon, which can occur when there is a non-zero wave function outside of a finite square well. For 10 points, name this phenomenon in which a particle passes through a classically forbidden potential barrier.
ANSWER: quantum **tunneling**
<Physics, Schwartz>

13. **In one myth, this conflict's losers fled and established a colony on the Black Sea under the leadership of Siward Barn. Names such as "Henry" and "Alice" became so popular following this conflict that it led to the adoption of surnames to disambiguate people. This conflict saw motte-and-bailey castles built in England for the first time, including Dover Castle and the** (*) Tower of London. This conflict's loser is shown with his eye pierced by an arrow in an artwork commissioned by Bishop Odo, the half-brother of its victor. Surveys of England and Wales following this conflict are preserved in the comprehensive Domesday Book. The Bayeux Tapestry recorded — for 10 points — what conflict, which was ended by the 1066 Battle of Hastings?
ANSWER: **Norman Conquest** of England [accept **William the Conqueror's invasion of England**; antiprompt on Battle of <u>Hastings</u> before mention by asking "what larger conflict was it a part of?"]
<European History, Parameswaran>

14. **Judgments of this phenomenon were influenced by disgust in a 2008 experiment in which experimenters sprayed fart spray into nearby trashcans. The dumbfounding effect, in which people make judgments regarding this phenomenon despite very little justification, is explained by a model of this phenomenon as "social intuition" developed by Jonathan Haidt. In** *In a (*) Different Voice*, Carol Gilligan argued that theories of this phenomenon are not generalizable to women. The development of this concept is divided into stages like "social contract orientation" and "self-interest" in a theory which classifies this phenomenon as "pre-" and "post-conventional." Lawrence Kohlberg proposed a theory of the development of, for 10 points, what faculty used to distinguish right and wrong?
ANSWER: **morality** [or **moral**s; or **ethic**s; accept **moral** development; prompt on descriptive answers like what is <u>correct</u> or <u>right</u> or <u>wrong</u>]
<Social Science, Chen>

15. **An Ottawa location of this type includes a staircase into a distorted doorway near a triangular "Sky Void." Concrete "books" line the exterior of one of these places designed by Rachel Whiteread in Vienna. Christine Jacob-Marks included a 100 meter by 100 meter plan for her design of another of these places that was vetoed in favor of a collaboration between Richard Serra and Peter (*)** Eisenman, whose design consists of 2,711 concrete slabs that visitors pass through. Brass plates known as "stumbling stones" are often seen in these places. One of these places in Skokie, Illinois was the world's first to incorporate holograms with the help of Yad Vashem. For 10 points, name these places which serve as reminders to a Nazi-perpetrated genocide.
ANSWER: **Holocaust memorial**s [or **Holocaust museum**s; prompt on <u>memorial</u> or <u>museum</u>]
<Other Visual Arts, Parameswaran>

16. **Axel Erlandson created distinctly-shaped ones of these objects for a "circus" that is now found in a theme park in Gilroy. The second California Historical Landmark commemorates one of these objects, which lends its name to the city of Palo Alto. The 17-Mile Drive near Carmel contains an oft-photographed "Lone" one of these objects. An area north of Kings Canyon contains some of these objects named for (*)** Civil War figures. The locations of Methuselah and Hyperion, the oldest and tallest known ones of these objects, are kept secret to prevent vandalism. The largest two of these objects are named General Grant and General Sherman. For 10 points, name these objects, the namesakes of Sequoia and Redwood National Parks.
ANSWER: **tree**s [accept Circus **Tree**s; accept Lone **Cypress**; accept **sequoia** or **redwood** before read]
<Geography, Zhang>

17. **An after-death ritual called the "washing of" these objects inspired the title of a Donald Morris history. A leader of an organization named after these objects, Chris Hani, was assassinated by Polish immigrant Janusz Waluś ("YAHN-us VAHL-ush"). That organization named after these objects committed terrorist attacks including the Church Street Bombing. The majority of the winning side at** (*) Isandlwana ("e-SAHN-del-wa-na") and the losing side at Rorke's Drift wielded these weapons. Umkhonto ("oom-KON-toe") we Sizwe, the militant wing of the African National Congress, is named for one of these weapons "of the Nation." A short ranged version of this weapon called the iklwa ("ickle-wuh") used primarily for stabbing was invented by Shaka Zulu. For 10 points, the assegai is a type of what long throwing weapon?
ANSWER: **spear**s [accept **assegai** before read; accept **Umkhonto** before read; accept **javelin**s; accept *Washing of the **Spears***]
<World History, Zhang>

18. **A two-dimensional material of this element that displays an in-plane anisotropy has a direct, narrow band gap in between that of graphene and TMDCs. Another two-dimensional material with a wide band gap is formed from a form of this element named for Hittorf. This element is named after a class of materials that includes copper-activated zinc sulfide whose (*)** namesake phenomenon occurs due to intersystem crossing. A highly reactive form of this element with a strained tetrahedral structure is used in military munitions. It's not carbon, but this element exists as stacked layers of sp2 hybridized sheets in its most stable allotrope, its "black" form. Match heads contain the "red" form of, for 10 points, what element with symbol P?
ANSWER: **phosphorus** [accept **P** before "P"; accept **phosphorene**; accept black **phosphorus**; accept white **phosphorus**; accept red **phosphorus**; accept **phosphor**s]
<Chemistry, Chen>

19. **In his last concert, Leonard Bernstein led this city's orchestra in a performance of Beethoven's 7th symphony. In 2018, this city's orchestra allied with the Leipzig Gewandhaus Orchestra, since they are both directed by the Latvian-born Andris Nelsons. This city's orchestra premiered Bartok's Concerto for Orchestra, which was commissioned by its director Serge Koussevitzky, who names a concert hall at that orchestra's summer home in (*)** Tanglewood. This city is home to the easternmost of the "Big Five" American orchestras. John Williams is the Laureate Conductor of a subset of this city's orchestra that focuses on light music and is known for its 4th of July concerts. For 10 points, Arthur Fiedler led a namesake "Pops" Orchestra in what capital of Massachusetts?
ANSWER: **Boston**
<Auditory Fine Arts, Zhang>

20. **This author's first novel intended to lampoon the Newgate novel genre but ended up sympathizing with its title character, who is burned at the stake for killing her husband. This author wrote a novel critiquing the marriage market in which Clive and his cousin Ethel cannot marry until they lose their fortunes. A character created by this author of** *The (*)* *Newcomes* buys a portrait of an obese, elephant-mounted officer, who is possibly killed for life insurance at the novel's end. That novel by this author takes its title from a location in John Bunyan's *Pilgrim's Progress*, and is subtitled a "novel without a hero." For 10 points, name this English satirist who created Becky Sharp in *Vanity Fair*.
ANSWER: William Makepeace **Thackeray** (The first novel is *Catherine*.)
<Long Fiction, Zhang>

Bonuses

1. The origin of the phrase "hell hath no fury like a woman scorned" is a quote by Zara, a character from this author's play *The Mourning Bride*. For 10 points each:
[10h] Name this playwright who wrote about Mirabell's attempt to get Lady Wishfort to let him marry Millamant in *The Way of the World*.
ANSWER: William **Congreve**
[10e] William Congreve was an important figure in this literary movement, which came to prominence after the ascension of Charles II. Other playwrights from this movement include William Wycherley and John Dryden.
ANSWER: **Restoration** period [accept **Restoration** comedy]
[10m] This Restoration comedy by Aphra Behn follows a group of noblewomen and exiled Englishmen at a festival in Naples. The prostitute Angellica Bianca decides to spare Willmore at the end of this play.
ANSWER: *The **Rover**, or The Banish'd Cavaliers*
<Drama, Schwartz>

2. A type of these materials that possesses both fluid and solid properties depending on temperature can be further divided into smectic and nematic phases. For 10 points each:
[10e] Name these materials used by TVs and monitors in namesake "displays."
ANSWER: **liquid-crystal** [accept **liquid-crystal** displays or **LC**Ds]
[10m] In 2012, Frank Wilczek first proposed crystals named for this quantity, in which atoms oscillate perpetually without additional energy. The SI unit for this quantity is defined in terms of transitions of a cesium atom.
ANSWER: **time** [accept **time** crystals]
[10h] An alloy of aluminum and manganese is used to create quasicrystals, which lack periodicity, that are in this type of state. A medicinally useful nuclear isomer of technetium-99 is named for existing in this type of state.
ANSWER: **metastable** [do not accept or prompt on "stable"]
<Physics, Zhang>

3. Napoleon sent Charles Leclerc to stop this man's revolt, but yellow fever outbreaks forced him to retreat. For 10 points each:
[10e] Name this general whose slave revolt evolved into the Haitian Revolution. He was ultimately succeeded in his efforts by Jean-Jacques Dessalines.
ANSWER: Francois-Dominique Toussaint **Louverture** [accept Toussaint **Breda**]
[10m] Louverture's revolution was hindered by this mixed-race man, whom he fought during the War of the Knives. Louverture sought to control this man's territory in the south of Saint-Domingue.
ANSWER: Andre **Rigaud**
[10h] After Leclerc died of yellow fever, he was replaced by a cruel military commander from this family. A French count from this family led the U.S. naval blockade at the Battle of Yorktown.
ANSWER: Comte de **Rochambeau** [or de **Vimeur**]
<World History, Nageswaran>

4. In the second movement of a programmatic symphony by this composer, a nightingale whose whistles can kill is represented by contrabassoon and flutes. For 10 points each:
[10h] Name this Russian composer who depicted the life of the bogatyr *Ilya Muromets* in his 3rd symphony. His ballet *The Red Poppy* contains a commonly-excerpted *Russian Sailors Dance.*
ANSWER: Reinhold **Glière**
[10e] Ilya Muromets and other bogatyrs inspired the "Great Gate" depicted in the last movement of this suite by Modest Mussorgsky. This suite is based on a series of sketches by Viktor Hartmann.
ANSWER: *__Pictures at an Exhibition__*
[10m] In this other Russian composer's opera *The Tale of Tsar Saltan,* Saltan's son Gvidon grows up to be a bogatyr. This composer also wrote an opera and tone poem about the folk hero Sadko.
ANSWER: Nikolai **Rimsky-Korsakov**
<Auditory Fine Arts, Zhang>

5. In this field, rules applied in counterfeeding order can cause opacity in the surface structure. For 10 points each:
[10h] Name this field. A pointing finger symbol marks the candidate with fewer violations of faithfulness and markedness constraints in an approach to this field called Optimality Theory.
ANSWER: **phonology** [prompt on linguistics]
[10m] Phonotactics, a subfield of phonology, deals with the restrictions that languages place on these structures, which are usually divided into onset, rhyme, and coda. Languages are usually either stress-timed or timed by these structures.
ANSWER: **syllables**
[10e] Although they do not have sounds, languages of this type still have phonologies which deal with facial expressions, movement, and handshapes.
ANSWER: **sign** languages
<Social Science, Berns>

6. These quantities are called "osculating" if they are determined from the instantaneous position and velocity of a perturbed object. For 10 points each:
[10m] Give the two-word term referring to the set of six quantities required to characterize a two-body system. They include the longitude of the ascending node and the true anomaly.
ANSWER: **orbital parameter**s [or **orbital element**s; accept, but DO NOT REVEAL **Kepler**ian **parameter**s]
[10h] In addition to the six orbital parameters, one of these things, a value of time taken as a reference point, is required to specify an orbit. In astronomy, these things are typically specified as the number of days after J2000.0.
ANSWER: **epoch**s
[10e] The grouping of six standard orbital parameters is sometimes named after this astronomer, who proposed three laws of planetary motion using data gathered by Tycho Brahe.
ANSWER: Johannes **Kepler**
<Other Science, Chen>

7. While at this location, the narrator reminisces about his family's long standing connection to Salem. For 10 points each:
[10h] Name this location. In this location, the narrator discovers a manuscript by Jonathan Pue, as well as a worn and faded "fine red cloth" that seems to burn him.
ANSWER: the **Custom-House**
[10e] "The Custom-House" is the introductory section of this Nathaniel Hawthorne novel. In this novel, Hester Prynne is forced to wear the title mark of shame after an adulterous affair with Arthur Dimmesdale.
ANSWER: The ***Scarlet Letter***
[10m] Like the real-life Nathaniel Hawthorne, the narrator of "The Custom House" section recalls his life in an Old one of these locations. A short story collection by Hawthorne is titled "Mosses from an Old" one of these locations.
ANSWER: **manse** [accept Old **Manse**; accept "Mosses from an Old **Manse**; prompt on "mansion" or "house" by asking "what specific word is used in the title?"]
<Long Fiction, Nageswaran>

8. This author strangely believed that the Cimmerians "lived under everlasting night" at the entrance to the underworld. For 10 points each:
[10e] Name this author, who included that description in Book XI of his epic the *Odyssey*.
ANSWER: **Homer**
[10h] One candidate for the entrance to the underworld in the *Odyssey* is this crater lake in Italy, which is located in the Phlegraean Fields. In the *Aeneid*, the Cumaean Sibyl helps Aeneas enter the underworld at this lake.
ANSWER: Lake **Avernus** [or Lago **d'Averno**]
[10m] Later authors like Shakespeare referenced a grove of this non-Persephone goddess located adjacent to Lake Avernus. This triple goddess was associated with crossroads and witchcraft.
ANSWER: **Hecate** [or **Trivia**]
<Mythology, Parameswaran>

9. This term can generally refer to any technical system whose inner workings are unknown. For 10 points each:
[10e] Despite being orange, an aircraft component that records inflight data and voice is commonly known as a "box" of what color?
ANSWER: **black** box
[10m] These people may be confronted with black box systems when doing penetration testing. These people may be classified as "white hat" or "black hat" depending on their intentions.
ANSWER: **hackers** [accept **security analysts**]
[10h] This writer wrote of a cyborg spy who uses the "Disassociation Technique" to detach her mind from her body in "Black Box", a short story published in a series of tweets. Lulu, the main character of that story, also appears in this author's 2012 book *A Visit from the Goon Squad*.
ANSWER: Jennifer **Egan**
<Other, Zhang>

10. A.J.P. Taylor's "railway thesis" describes the origins of this conflict. For 10 points each:
[10m] Give this conflict, which begins Eric Hobsbawm's history *The Age of Extremes*. Barbara Tuchman covered the first month of this conflict in her *The Guns of August*.
ANSWER: **World War I**
[10h] According to Hobsbawm, World War I was preceded by this time period, which was the subject of a trilogy of books he wrote. This phrase characterizes the vast changes that occurred prior to World War I.
ANSWER: "**long 19th century**" [prompt on the 19th century]
[10e] The first book in Hobsbawm's trilogy on the "long 19th century" centers around the French Revolution and this other simultaneous revolution, which saw the rapid expansion of manufacturing in the U.K. and U.S.
ANSWER: **Industrial** Revolution
<European History, Parameswaran>

11. This artist separately published the sculpture section of Denis Diderot's *Encyclopédie* after he was consulted for it. For 10 points each:
[10m] Name this French neoclassical sculptor, who is best known for a statue of Peter the Great that later titled an Alexander Pushkin poem.
ANSWER: Étienne Maurice **Falconet**
[10e] Peter the Great rides atop one of these animals in that equestrian statue by Falconet.
ANSWER: **horse**
[10h] Marinos Carburin developed a metallic sled for the transportation of this stone that serves as the pedestal for *The Bronze Horseman*. Although later reduced in size by Falconet, it remains the largest stone moved by humans at 1,250 tons.
ANSWER: the **Thunder Stone**
<Other Fine Arts, Martin>

12. Peggy Noonan used this phrase to end a January 1986 speech describing people who "slipped the surly bonds of Earth." For 10 points each:
[10h] Give this three-word phrase that ends the poem "High Flight," written by World War II pilot John Gillespie Magee, in which the speaker "put out my hand, and touched" this phrase.
ANSWER: the **face of God** (The speech addressed the *Challenger* disaster.)
[10e] This poet of "The Charge of the Light Brigade" wrote that "I hope to see my Pilot face to face" after his death in his poem "Crossing the Bar." That poem refers to a maritime pilot, as this poet lived before the age of airplanes.
ANSWER: Alfred, Lord **Tennyson**
[10m] A poet of this nationality wrote of a pilot who "know[s] that I shall meet my fate / Somewhere among the clouds above" in a poem titled "A [this nationality] Airman Foresees His Death."
ANSWER: **Irish** (The poet is W. B. Yeats.)
<Non-Epic Poetry, Zhang>

13. This theologian developed a "Quadrangle" of sources for theological reflection that emphasized the doctrine of prima scriptura. For 10 points each:
[10m] Name this theologian who expounded his idea of the "second work of grace" in A Plain Account of Christian Perfection. He founded a movement that built upon Arminian theology.
ANSWER: John **Wesley** [accept **Wesleyan** theology; accept **Wesleyan** Quadrangle]
[10e] Wesley founded Methodism, which is a denomination within this Christian movement contrasted with Catholicism. This movement traces back to criticisms of the Catholic church during the Reformation.
ANSWER: **Protestant**ism [accept word forms like **Protestant**s]
[10h] John Wesley adapted a prayer named for one of these things that begins "I am no longer my own, but thine." Supersessionism is named for the belief that one of these things replaced an older one.
ANSWER: **covenant**s [accept **Covenant** Renewal Service or **Covenant** Service or **Covenant** Prayer; accept New **Covenant**; accept Mosaic **Covenant**; prompt on more general answers like agreements with God]
<Religion, Berns>

14. The metal-catalyzed decomposition of diazocarbonyl compounds can be used to form this functional group. For 10 points each:
[10h] Name this functional group which is exemplified by a neutral carbon species with six valence electrons. This functional group is coordinated to ruthenium in the Grubbs catalyst.
ANSWER: **carbene**s
[10e] The Grubbs catalyst serves to catalyze the metathesis of these compounds. That reaction involves the exchange of substituents on the characteristic carbon-carbon double bond of these compounds.
ANSWER: **olefin**s [accept **alkene**s]
[10m] The reaction of a carbene with an olefin yields derivatives of this compound. Bent bonds describe why this compound is stable despite having high ring strain due to three 60 degree bond angles.
ANSWER: **cyclopropane**
<Chemistry, Tong>

15. In his 1957 work Operation Massacre, Rodolfo Walsh analyzed the unlawful execution of members of this group. For 10 points each:
[10h] Name this Peronist guerrilla group, members of which were killed by right-wing snipers during the 1973 Ezeiza massacre. This group kidnapped Argentinian president Pedro Aramburu.
ANSWER: **Montonero**s
[10m] Walsh criticized the mass disappearance of people during this period in his "Open Letter to a Military Junta". Many Montoneros were assassinated during this repressive campaign organized by Jorge Videla's junta.
ANSWER: **Dirty War**
[10e] Earlier, Walsh had decrypted a CIA telex which gave him advance notice of this event. The United States trained Cuban exiles to overthrow Fidel Castro in this failed 1961 invasion.
ANSWER: **Bay of Pigs** invasion
<World History, Parameswaran>

16. In the first of a trio of stories in this collection, Kaushik moves in with Hema for a winter as his family searches for a home for his dying mother. For 10 points each:
[10h] Name this short story collection. In its title story, Ruma discovers her father's relationship with Mrs. Bagchi when he loses a postcard while visiting her in Seattle.
ANSWER: *Unaccustomed Earth*
[10e] *Unaccustomed Earth* was written by this author of the collection *Interpreter of Maladies.*
ANSWER: Jhumpa **Lahiri**
[10m] In "Going Ashore," Hema and Kaushik begin an affair after a chance meeting in this country. A 2015 Lahiri essay titled "Teach Yourself" this country's language details her decision to move to this country.
ANSWER: **Italy** [accept "Teach Yourself **Italian**"]
<Long Fiction, Ah Now>

17. Xiong Shili led a 20th-century revival called New Confucianism that syncretized thinkers from this tradition. For 10 points each:
[10e] Name this religion. Nāgārjuna was a philosopher from the Mahāyāna branch of this religion.
ANSWER: **Buddhism**
[10h] Xiong's most famous work is a critique of this Buddhist school's teachings of "consciousness-only." After a journey to India, the monk Xuanzang popularized this school in China in works like *Cheng Weishi Lun.*
ANSWER: **Yogācāra** school [accept **Fǎxiàng**]
[10m] Inspired by the *I Ching* **("ee ching")**, Xiong posited that the universe was constantly undergoing this process through "opening" and "closing." This process is represented by the *I* in the *I Ching*.
ANSWER: **changing** [accept synonyms like **transformation**; accept Book of **Changes**]
<Philosophy, Zhang>

18. In an opera by this composer, Catholic nobles laugh as the servant Marcel imitates the sound of cannons in the aria "Piff paff." For 10 points each:
[10m] Name this composer of *Les Huguenots*.
ANSWER: Giacomo **Meyerbeer**
[10h] The overture to *Les Huguenots* quotes this song, which also provides the tune for a prayer sung by Marcel. The flute introduces this tune at the beginning of the fourth movement of another composer's fifth symphony.
ANSWER: **A Mighty Fortress is Our God** [accept **Ein feste Burg ist unser Gott**]
[10e] Meyerbeer and Mendelssohn were both attacked in an anti-Semitic essay by this composer. This composer wrote about Christian knights in operas such as *Parsifal* and *Lohengrin*.
ANSWER: Richard **Wagner**
<Fine Arts, Nageswaran>

19. This quantity is zero for sterile organisms like the mule. For 10 points each:
[10e] Name this quantity, the propensity of an organism to pass on its genes.
ANSWER: **fitness**
[10h] Slime mold strains that benefit from the formation of a fruiting body at no cost to fitness are an example of this behavior. This behavior occurs when an individual benefits from cooperative behavior without cooperating.
ANSWER: **cheating**
[10m] By withholding nutrients, plants can collectively punish cheating rhizobia that fail to perform this process. This process is dependent on a metalloenzyme containing an iron-molybdenum cofactor.
ANSWER: **nitrogen fixation** [or **N fixation**; or **fixing nitrogen**]
<Biology, Chen>

20. Scholars of this ideology prepared the "Clean Break" report regarding the future of Israeli foreign policy. For 10 points each:
[10m] Name this political ideology, which grew out of people who were disenchanted with pacifist Cold War policies of the Democratic Party. Norman Podhoretz is a pundit of this ideology.
ANSWER: **neoconservatism** [prompt on conservatism]
[10e] This politician, who opposed neoconservative policies in H. W. Bush's cabinet would later embrace them as W. Bush's vice president.
ANSWER: Richard Bruce "Dick" **Cheney**
[10h] This woman, a neoconservative, served as Ronald Reagan's ambassador to the U.N. In her essay "Dictatorship and Double Standards," she argued that the U.S. should support authoritarian regimes that aligned with the U.S.
ANSWER: Jeane Duane **Kirkpatrick**
<American History, Parameswaran>