2019 Wayzata Academic Invitational Tournament
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Packet 12

Tossups

1. After being told that he would need "men with wings" to capture a fortress, this leader had his soldiers scale a cliff face at night to capture the Sogdian Rock. After this man's death, his empire was split up between men like Lysimachus and Ptolemy Soter, who were his *Diadochi*. A mosaic of this man at Pompeii shows him astride his favorite mount, (*) Bucephalus, a horse that died at the Battle of the Hydaspes. At the Battle of Issus, this leader commanded his Companion cavalry against Darius III. For 10 points, name this son of Philip II who was an ancient king of Macedon and "great" conqueror.
ANSWER: **Alexander the Great** [accept **Alexander III** of Macedon; prompt on "**Alexander**"] <BL> Ed. TH

2. This man sired children with his niece Tyro to kill his brother, but Tyro killed the children instead. This man attached lead inscribed with the words "Autolycus stole these" to the feet of his cattle to catch a thief. This father of (*) Glaucus told his wife, Merope, to not place a coin under his tongue after his death, which convinced Persephone to release him. This first king of Corinth chained up Thanatos and thus stopped death from taking more souls. For 10 points, name this figure from Greek myth whose punishment in Tartarus was to roll a boulder up a hill for eternity.
ANSWER: **Sisyphus** [or **Sisyphos**] <CS> Ed. TH

3. Fubini's theorem allows for repeated instances of this operation to be taken in any other. The term quadrature refers to methods for numerically performing this operation. In some situations, this operation can be simplified by performing a trigonometric substitution. This operation can be formally defined as an infinite limit of (*) Riemann sums. When this operation is calculated between given bounds, it is called definite. This operation is equivalent to antidifferentiation, according to the fundamental theorem of calculus. For 10 points, name this operation which calculates the area under a curve.
ANSWER: **integral** [or **integration**; or numerical **integration**; or definite **integral**s] <BW> Ed. GC

4. This author was inspired by the fairy tale "The Fisherman and His Wife" to write a novel criticized by feminists called *The Flounder*. A novel by this author includes the jazz musician Klepp and a man who dies after swallowing a Nazi pin. An Iron Cross is stolen by Joachim Mahlke [YO-uh-kim MALL-kuh] in this author's novel (*) *Cat and Mouse*. The protagonist of a novel by this author is accused of Sister Dorothea's murder, is able to shatter glass with his voice, and stops growing at the age of three when he receives the title item. For 10 points, name this author of the *Danzig Trilogy*, which includes *The Tin Drum*.
ANSWER: Günter **Grass** <BS> Ed. JK

5. Robert Lubahn wrote the lyrics of a "hymn" for one of these events composed by Richard Strauss [REE-kart shtrowss]. Another composition for these events begins with a flurry of sixteenth notes that was designed for herald trumpets. A Leo Arnaud work often used at these events opens with a timpani solo followed by a brass melody based on a cavalry call and is called (*) *Bugler's Dream*. "Summon the Heroes" and "Call of the Champions" were both composed by John Williams for, and premiered at the opening ceremonies of, for 10 points, what quadrennial athletic competitions?
ANSWER: **Olympic** Games [or the **Olympics** or Games of the **Olympiad**] <BW> Ed. RC

6. In a novel, this author wrote about the opium-addicted Molly Farren, who dies on her way to a New Year's Eve party; in that novel by this author, Sarah marries William Dane instead of her fiancé, who raises a golden-haired child. A man dies before he can finish *The Key to All Mythologies* in another novel by this author. The skeleton of (*) Dunstan Cass is found with a bag of gold in a novel by this author, in which Eppie is adopted by the title weaver of Raveloe. Will Ladislaw marries Dorothea Brooke in a novel by this author subtitled "A Study of Provincial Life." For 10 points, name this author of *Silas Marner* and *Middlemarch*.
ANSWER: George **Eliot** [accept Mary Ann **Evans**] <CS> Ed. JK

7. A two-hundred million-dollar painting by this artist titled *The Concert* was stolen from the Isabella Stewart Gardner Museum in 1990. Another work by this man depicts a viola da gamba lying on black and white marble as a woman plays a keyboard. This artist mixed sand into paint to depict red-roofed houses behind a city gate in a work in which a technique similar to pointillism is used to depict fishing boats anchored in a harbor. This artist of (*) *The Music Lesson* showed a girl wearing a blue-and-yellow turban who is turning to look at the viewer in another work. For 10 points, name this Dutch painter of *Girl with a Pearl Earring*.
ANSWER: Johannes **Vermeer** <BL> Ed. TH

8. In response to this event, the *Daily Reveille* said that "the flag of independence has been hoisted for the second time." This event was held at Wesleyan Methodist Church 10 days after it was announced, and passages of Blackstone's Commentaries were read by Thomas McClintock, the (*) husband of one of the founders of this event. During this event, a ninth resolution was defended by Frederick Douglass and included in the Declaration of Sentiments. For 10 points, identify this 1848 New York convention organized by Lucretia Mott and Elizabeth Cady Stanton that advocated for women's rights.
ANSWER: **Seneca Falls** Convention [prompt on "**Seneca**" alone] <AK> Ed. TH

9. Isoelectric focusing is a form of this technique used in the second step of the two-dimensional form of this technique. The intercalating agent and dye ethidium [eh-thid-ee-um] bromide is used to visualize the results of this technique. The result of this technique can be visualized using a "ladder" of nucleic acid or protein. (*) Polyacrylamide [poly-akree-lam-ide] is a commonly used matrix for this technique, in which an electric field is applied across a plate often filled with agarose or a gel. For 10 points, name this laboratory technique used to separate biological macromolecular fragments based on molecular weight.
ANSWER: gel **electrophoresis** [accept 2-D gel **electrophoresis**] <BW> Ed. GC

10. This author's stay in a palace in Granada inspired him to write a collection. In a story by this author, the protagonist sees a portrait of George Washington at the Union Hotel. This author of *Tales of the Alhambra* wrote about a man and his dog, Wolf, who observe men playing (*) nine-pins in the mountains. In another story, this author included a smashed pumpkin that is found after an encounter with a Hessian; in that story by this author, Brom Bones marries Katrina van Tassel after the schoolmaster Ichabod Crane flees from the Headless Horseman. For 10 points, name this author of "Rip van Winkle" and "The Legend of Sleepy Hollow."
ANSWER: Washington **Irving** <BS> Ed. JK

11. This man and Laplace name an equation that equates a difference in pressure to two times mean curvature times surface tension. Along with Helmholtz, this man proposed the trichromatic theory of color vision. A quantity equal to the ratio of stress to strain for a material is called his (*) "modulus." This man conducted an experiment in which interference fringes result from the diffraction of light. For 10 points, name this British physicist who first performed the double-slit experiment.
ANSWER: Thomas **Young** [accept **Young**'s modulus, **Young**'s double slit experiment, or **Young**-Helmholtz Three Color Theory] <BW> Ed. GC

12. In a work, this man claimed that "man would rather will nothingness than not will" and compared different types of morality with birds of prey and a lamb. This thinker stated that humans required amor fati, or a "love of fate," to accept the idea of eternal recurrence. This man criticized Kantian ethics and (*) Christian morality as "slave morality" in a work because they are also based off of a good-evil dichotomy. *Thus Spake Zarathustra* and *The Gay Science* were written by, for 10 points, what German philosopher who famously proclaimed that "God is dead"?
ANSWER: Friedrich Wilhelm **Nietzsche** [NEE-chuh] <AK> Ed. GC

13. This team's first Elite Eight appearance came in 1986 while led by Chuck Person. In 2018, this team was defeated by Clemson by 31 points in the second round of March Madness. In 1984, during this team's first March Madness run, they were defeated by a conference rival despite the efforts of Charles Barkley. While led by Chuma Okeke, this team won the (*) SEC tournament in 2019 and made to their first Final Four after defeating Kentucky, though a controversial double-dribble no call led to this team's overtime defeat by Virginia. For 10 points, name this Alabama school with a Tiger mascot.
ANSWER: **Auburn** University [prompt on "**Tigers**" before mentioned] <BW> Ed. JK

14. This musician's album *Ascension* marked his transition into free jazz, and he names a chord progression that modulates through major third intervals. On one of this man's albums, he dedicated the song "Mr. P.C." to bassist Paul Chambers and another song to his wife, Naima. A gong begins the "Acknowledgements" track of one of this man's albums, which ends with the track (*) "Psalm." This man's improvisation was described by critic Ira Gitler with the term "sheets of sound." For 10 points, name this jazz saxophonist, whose albums include *My Favorite Things*, *Giant Steps*, and *A Love Supreme*.
ANSWER: John **Coltrane** <BS> Ed. JK

15. This state's Rainbow and Black Eagle Falls make up a set of waterfalls that are depicted on its state seal and name this state's third-most-populous city. Waterton Lakes National Park combines with a national park in this state to form an (*) International Peace Park. Trapper Peak is in this state's section of the Bitterroot Mountains and lies along the popular scenic route Going-to-the-Sun Road. This state is the only to border Alberta, and it contains Glacier National Park. Missoula and Billings are the two largest cities in, for 10 points, what American state governed from Helena?
ANSWER: **Montana** <BW> Ed. BS

16. This poet describes the world as "mud-luscious" and "puddle-wonderful" in a poem about the advent of spring called "In Just." In another poem by this poet, "women and men (both little and small) cared for anyone not at all." The title character of a poem by this poet of (*) "Maggie and Milly and Molly and May" is thrown into a dungeon by the president; that character created by this poet "Was more brave than me, more blond than you," and his "warmest heart recoiled at war." For 10 points, name this poet of "Anyone Lived in a Pretty How Town" and "I Sing of Olaf Glad and Big" who was known for his unique capitalization.
ANSWER: E. E. **Cummings** [accept Edward Estlin **Cummings**] <CS> Ed. JK

17. An alliance devised by this man that was temporarily extended by the Reinsurance Treaty with Russia ultimately fell apart and was called the Three Emperors' League. After the Gastein Convention broke down, this man, who was succeeded by Leo Caprivi, started the (*) Seven Weeks' War with Austria to gain sole control of Schleswig-Holstein. This leader edited the Ems Dispatch to provoke war with Napoleon III, and he claimed that the "great questions of the time are decided" by "iron and blood." For 10 points, name this Prussian "Iron Chancellor."
ANSWER: Otto von **Bismarck** [or Otto Eduard Leopold, Prince of **Bismarck**] <AK> Ed. TH

18. This element is used as the cathode in the electrolysis of brine into chlorine and sodium hydroxide in the Castner-Keller process. This element is found with chlorine in calomel. A dimethylated form of this element killed the chemist Karen Watterhan. This element is produced from its ore, **(*)** cinnabar, which is a sulfide of this element. Alloys formed with this element are known as amalgams. A 760-millimeter-tall column of this element is equivalent to one atmosphere of pressure. For 10 points, name this metal that is a liquid at room temperature.
ANSWER: **mercury** [accept <u>Hg</u>] <BW> Ed. GC

19. This ruler's tax collection was overseen by Adil Aqa, who was executed for suspected corruption. After a revolt in Khorasan, this ruler cemented live prisoners into a pyramid. This man's victories at the Battles of the Kondurcha and Terek Rivers led to his defeat of Tokhtamysh and the **(*)** Golden Horde. This man won the Battle of Ankara against Bayezid the Thunderbolt, and he received his most famous epithet after being shot by two arrows while trying to steal a sheep. For 10 points, name this Central Asian conqueror who ruled from Samarkand and erected mountains out of skulls.
ANSWER: **Timur** the Lame [or **Tamerlane**; or **Tamburlaine**; or **Timur-i Lang**; or **Timur Lenk**] <AK> Ed. TH

20. In this biblical book, the star Wormwood poisons one-third of the world's rivers. Some Jehovah's Witnesses believe that they are among the 144,000 followers that will be marked as "servants of God," according to this book. This text, which is addressed to the seven Asian churches, is often attributed to John of **(*)** Patmos. This book describes the opening of the Seven Seals, which results in the arrival of the Four Horsemen. For 10 points, name this final book of the New Testament, which describes the impending destruction of the world.
ANSWER: Book of **Revelation** [prompt on "<u>Apocalypse</u>"; do NOT accept "Book of Revelations"] <BL> Ed. JK

<u>Tiebreaker</u>: **This figure killed the centaurs Hylaeus [hi-lee-us] and Rhoecus [ree-cus] and helped defeat a creature sent when King Oeneus failed to make a sacrifice to a goddess. This person defeated King Peleus in a wrestling match, and she inadvertently caused Althea to throw a piece of wood into a fire, thus killing her son. This woman and a lover were turned into (*)** lions for having sex in Cybele's temple; that lover, Hippomenes [hip-pah-meh-nees], married this woman after distracting her with golden apples during a footrace. For 10 points, name this mythical Greek huntress and lover of Meleager who was the first to strike the Calydonian Boar.
ANSWER: **Atalanta** [or **Atalantē**] <AH> Ed. TH

Bonuses

1. *Marvel 1602* is a graphic novel that reimagines a cast of Marvel superheroes as characters in Elizabethan England. For 10 points each:
[10] This surgeon-turned-magician serves as Elizabeth I's physician in *Marvel 1602*. He usually holds the title of Sorcerer Supreme, lives in the Sanctum Sanctorum, and uses the Cloak of Levitation and Eye of Agamotto.
ANSWER: Doctor **Strange** [or Stephen **Strange**; prompt on "**Stephen**" by itself]
[10] *Marvel 1602* was written by this British author, whose other comics include *The Sandman*. He also wrote a novel with characters including Laura and Shadow Moon titled *American Gods*.
ANSWER: Neil **Gaiman**
[10] *The Sandman* was published under this imprint of DC Comics that was originally founded for publishing content that did not meet the guidelines set by the Comics Code Authority. This is also the title of a Hitchcock movie starring Jimmy Stewart and Kim Novak.
ANSWER: **Vertigo** Comics [or DC **Vertigo**; accept Detective Comics **Vertigo**] <BW> Ed. JK

2. The Elliots move from Kellynch Hall to Bath due to financial troubles in this novel. For 10 points each:
[10] Name this novel in which Anne becomes engaged to the navy captain Frederick Wentworth after Lady Russell convinced her to turn down his proposal earlier.
ANSWER: *Persuasion*
[10] Jane Austen, the author of *Persuasion*, also wrote this novel in which Charles Bingley courts Jane at a ball he hosts in Netherfield Park. Mr. Darcy initially refuses to dance with Elizabeth in this novel, describing her as "tolerable, but not handsome enough to tempt me."
ANSWER: *Pride and Prejudice*
[10] In *Pride and Prejudice*, Elizabeth and Jane are members of this family, who live on the estate of Longbourn. Wickham elopes with a member of this family named Lydia.
ANSWER: **Bennet** <BS> Ed. JK

3. This man seized power after the death of Hugo Chávez and inherited his country's "economic war." For 10 points each:
[10] Name this current South American president whom many nations, including the United States, rescinded their recognition of in 2019.
ANSWER: Nicolás **Maduro** Moros
[10] Instead of Maduro, the United States now recognizes this president of the National Assembly and founder of the Popular Will party as president.
ANSWER: Juan Gerardo **Guaidó** Márquez
[10] Guaidó and Maduro both claim to be president of this "Bolivarian republic" governed from Caracas.
ANSWER: Bolivarian Republic of **Venezuela** [or República Bolivariana de **Venezuela**] <BW> Ed. BS

4. A sculpture excavated from this city is called the "Priest King" even though there is no evidence that this city had priests or kings. For 10 points each:
[10] Name this ancient city in Sindh, Pakistan, that was rediscovered by R. D. Banerji in 1919. This city's name means "Mound of the Dead," and its largest structure is neither a temple nor a palace but a Great Bath.
ANSWER: **Mohenjo-Daro**
[10] Mohenjo-Daro was one of the largest settlements of this ancient civilization on the Indian subcontinent. This civilization is named for a river flowing into the Arabian Sea.
ANSWER: **Indus** Valley Civilization [or **Harappa**n Civilization]
[10] Many houses in Mohenjo-Daro have the earliest known examples of these objects. These objects, which were connected to a sophisticated drainage system in Mohenjo-Daro, were sold en masse in the 19th century by Thomas Crapper, who made many innovations in plumbing technology.
ANSWER: flush **toilet**s <AK> Ed. TH

5. This quantity is an integer for bosons. For 10 points each:
[10] Name this quantity that is represented by the fourth quantum number. It can be conceptually understood as intrinsic angular momentum.
ANSWER: **spin**
[10] The existence of spin was demonstrated in this 1922 experiment, in which a beam of atoms was shot through an inhomogeneous magnetic field, producing two discrete dots on a detector screen.
ANSWER: **Stern-Gerlach** experiment
[10] The beam used in the Stern-Gerlach experiment was composed of atoms of this element, which is located above gold on the periodic table.
ANSWER: **silver** [or **Ag**] <BW> Ed. GC

6. Along with Gomorrah, God is said to have rained fire and brimstone upon this city after it became too sinful. For 10 points each:
[10] Name this city, which Lot and his family fled while it was being destroyed. Lot's wife looked back at this city and turned into a pillar of salt.
ANSWER: **Sodom**
[10] Sodom was destroyed after this many righteous people could not be found in the city. This is also the number of plagues suffered by Egypt.
ANSWER: **ten**
[10] This man asked God to spare Sodom if ten righteous people could be found there. This man almost sacrificed his son at the top of Mount Moriah.
ANSWER: **Abraham** [or **Abram**] <AH> Ed. JK

7. During the Japanese invasion, this man led resistance forces from a base on the sacred Paektu Mountain. For 10 points each:
[10] Name this first North Korean leader who invaded South Korea to begin the Korean War.
ANSWER: **Kim Il-sung** [prompt on "Kim"; do not accept or prompt on "Il-sung"]
[10] During the Korean War, South Korea was led by this dictator. This man was deposed following mass protests during the April Revolution.
ANSWER: Syngman **Rhee**
[10] Rhee ruled from this capital city of South Korea, which was captured by Communist forces on June 28, 1950.
ANSWER: **Seoul** <BL> Ed. TH

8. In collision theory, collision frequency is proportional to the square root of a quantity measured in this unit. For 10 points each:
[10] Identify this unit. A common rule of thumb states that the reaction rate approximately doubles for each increase by ten of this SI unit.
ANSWER: **Kelvin** [accept **K**]
[10] This scientist names an equation that relates the logarithm of the rate constant to an exponential function of temperature. This Swedish chemist defined a base as a hydroxide ion donor.
ANSWER: Svante **Arrhenius** [or **Arrhenius** equation; or **Arrhenius** bases]
[10] More specifically, the Arrhenius equation states that the logarithm of the rate constant is equal to a pre-exponential factor times the exponential of the negative of this quantity of the reaction divided by RT.
ANSWER: **activation energy** [or E_a ("E-sub-a")] <BL> Ed. GC

9. The ruling in this case broke up a monopoly owned by Robert Livingston and Robert Fulton. For 10 points each:
[10] Name this 1824 Supreme Court case that resolved disputes over steamship navigation around New York. This court case held that the federal government holds power over interstate commerce through the commerce clause.
ANSWER: *Gibbons v. Ogden*
[10] Thomas Gibbons took on this man as his ferry captain. This "commodore" later became a railroad magnate and funded a namesake university in Nashville, Tennessee.
ANSWER: Cornelius **Vanderbilt**
[10] Livingston and Fulton used the name of this city for a steamship that was the first to traverse waterways on the western border of the United States. This city was the site of the last major battle in the War of 1812.
ANSWER: **New Orleans** <AK> Ed. TH

10. Increasing economies of scale can produce the "natural" form of this market system. For 10 points each:
[10] Name this market system in which there is only one firm that produces a good.
ANSWER: **monopoly** [do not accept or prompt on "monopolistic competition"]
[10] Because monopolies have no competition, they attain the highest score of 10,000 on this index, which measures the level of competition between firms.
ANSWER: **Herfindahl**-Hirschman Index [accept **HHI**]
[10] Some monopolies engage in this practice, in which the same goods are sold at different prices to different consumers.
ANSWER: price **discrimination** <BL> Ed. GC

11. This artist's *Orphan Girl at the Cemetery* shows a young girl in tattered clothing gazing up to her left. For 10 points each:
[10] Name this artist, who used *Orphan Girl* as preparation for his painting *The Massacre at Chios.* This man also used the Greek War of Independence for inspiration for his work *Greece on the Ruins of Missolonghi.*
ANSWER: Ferdinand Victor Eugène **Delacroix** [del-ah-KWAH]
[10] Delacroix also depicted bloodshed in this painting, in which an Assyrian king lies in a giant bed while his officers kill his wives.
ANSWER: *The **Death of Sardanapalus*** [accept *La **Mort de Sardanapale***]
[10] Delacroix turned to more local violence for this painting, in which a woman wearing a Phrygian cap holds the French tricolor flag among a boy wielding two pistols and piles of dead bodies.
ANSWER: *Liberty Leading the People* [accept La *Liberté guidant le peuple*] <CS> Ed. TH

12. In this story, a cult worships the Man of the Book, believing His book to be a "perfect compendium of all the rest." For 10 points each:
[10] Name this short story. The title location of this story contains an infinite number of hexagonal rooms. Each hexagonal wall has five shelves with 35 books, all with the same format.
ANSWER: "The **Library of Babel**"
[10] This Argentine author of "The Library of Babel" included the story in his collection *Ficciones*, which also includes "Tlön, Uqbar, Orbis Tertius" and "Death and the Compass."
ANSWER: Jorge Francisco Isidoro Luis **Borges** [bore-hays] Acevedo
[10] In another Borges story, this character attempts to re-author the Miguel de Cervantes novel *Don Quixote*.
ANSWER: **Pierre Menard** [accept either underlined portion; accept "**Pierre Menard**, Author of the Quixote"] <CS> Ed. JK

13. Name these composers of mythologically inspired musical works, for 10 points each.
[10] This composer of *The Coronation of Poppea* used the myth of Orpheus and Eurydice as the basis for one of the earliest surviving operas, *L'Orfeo*.
ANSWER: Claudio **Monteverdi**
[10] Neptune saves the title king of Crete in this composer's *Idomeneo*. His non-mythological works include the opera *The Magic Flute* and the serenade *Eine Kleine Nachtmusik* ["EYE"-nuh KLYE-nuh NAHKT-moo-zeek].
ANSWER: Wolfgang Amadeus **Mozart** [or Johannes Chrysostomus Wolfgangus Theophilus **Mozart**]
[10] This man collaborated with Martha Graham on the ballet *Medea*. An excerpt from his B Minor String Quartet, the famously sad "Adagio for Strings," was played at John F. Kennedy's funeral.
ANSWER: Samuel **Barber** [or Samuel Osmond **Barber** II] <BS> Ed. RC

14. This ruler ordered Alfonzo Diaz de Montalvo to revise her country's law code, thus creating the *Ordenanzas Reales*. For 10 points each:
[10] Name this first queen of a unified Spain. Alongside her husband Ferdinand II of Aragon, she sponsored the voyages of Christopher Colombus.
ANSWER: **Isabel**la of Castille [or **Isabel**la I of Spain; or **Isabel**la the Catholic]
[10] Isabella and Ferdinand issued this edict that expelled the Jews from Spain. This edict was revoked more than 350 years later by the Second Vatican Council.
ANSWER: **Alhambra** Decree [accept Edict of **Alhambra**; prompt on "Edict of Expulsion"]
[10] This close confidante of Isabella was a strong advocate of the Alhambra Decree. This Dominican friar was the first Grand Inquisitor of the Spanish Inquisition.
ANSWER: Tomás de **Torquemada** <AK> Ed. TH

15. This author's 2015 novel *Go Set a Watchman* has been called a "first draft" of a book she published 55 years earlier. For 10 points each:
[10] This author described Scout and Jem Finch's childhoods in Maycomb County in *To Kill a Mockingbird*.
ANSWER: Harper **Lee** [accept Nelle Harper **Lee**]
[10] The character of Dill in *To Kill a Mockingbird* was based on this childhood friend of Lee's, who wrote about Holly Golightly in *Breakfast at Tiffany's*.
ANSWER: Truman **Capote** [kah-POH-tee][accept Truman Streckfus **Persons**]
[10] Harper Lee traveled with Capote as he did research for this novel about Dick Hickock and Perry Smith's murder of the Clutter family. It is considered one of the first true-crime novels.
ANSWER: *In Cold Blood* <BS> Ed. JK

16. During this period, a bleeding pigeon landed on white waratah flowers and turned them red. For 10 points each:
[10] Name this period characterized by W. E. H. Stanner as embodying the concept of "everywhen."
ANSWER: **Dreamtime** [or the **Dreaming**; or **Tjukurrpa**]
[10] Dreamtime describes the origins of and the continuing processes of the world for this indigenous group, who, like the Torres Strait Islanders, inhabited Australia before the British arrived.
ANSWER: **Aborigines** [or **Aboriginals**]
[10] This deity from Dreamtime ate the Wawalag sisters but then spat them out after being bitten by an ant. This creation deity represents the cycle of the seasons and the importance of water.
ANSWER: **Rainbow Serpent** [or **Rainbow Snake**; or **Goorialla**; or **Wagyll**] <AK> Ed. TH

17. These objects typically move at five to ten centimeters per year. For 10 points each:
[10] Name these objects that compose Earth's crust. They move through slab push and slab pull.
ANSWER: **tectonic plate**s [prompt on "plates"]
[10] At these types of plate boundaries, plates slide past each other rather than separating or colliding. The San Andreas Fault is an example of this type of boundary.
ANSWER: **transform** boundary [or **transform** fault; accept **conservative** boundary, **conservative** fault, or **conservative** margin]
[10] When one tectonic plate is subducted beneath another at a convergent boundary, the plate on top can undergo this process in a namesake "belt."
ANSWER: **orogeny** [or **orogenesis**; prompt on "mountain formation"] <BW> Ed. GC

18. In this play, the dog Diana is put down after being impregnated by a mongrel. For 10 points each:
[10] Name this play that ends as the valet Jean tells the title character, "It is horrible! But there is no other way." The title character of this play then walks "out resolutely" with a razor to commit suicide.
ANSWER: *Miss Julie* [accept *Fröken Julie*]
[10] This Swedish playwright wrote *Miss Julie*. His other works include *The Red Room* and *The Father*.
ANSWER: Johan August **Strindberg**
[10] In a Strindberg chamber play named after these types of beings, Mr. Arkenholz meets the old man Jacob Hummel. Miss Jessel and Peter Quint are these kinds of beings in Henry James's *The Turn of the Screw*.
ANSWER: **ghost**s [accept *The **Ghost Sonata***] <CS> Ed. JK

19. This musical opens with Curly singing, "I've got a beautiful feelin'; everything's going my way," in the song "Oh, What a Beautiful Mornin'." For 10 points each:
[10] Name this musical in which Laurey rejects her feelings for Curly in the song "People Will Say We're in Love" and goes to the box social with Jud instead.
ANSWER: *Oklahoma!*
[10] This choreographer's first Broadway show was *Oklahoma!*, in which she included a "dream ballet" in Act One. This woman also choreographed Aaron Copland's *Rodeo*.
ANSWER: Agnes George **de Mille**
[10] Richard Rodgers and Oscar Hammerstein composed and wrote the libretto for *Oklahoma!*, as well as this other musical in which Maria becomes the governess of the seven Von Trapp children.
ANSWER: *The **Sound of Music*** <CS> Ed. TH

20. When viruses reproduce through this method, their DNA remains separate from that of the host cell. For 10 points each:
[10] Name this method of viral reproduction that is contrasted with the lysogenic cycle. Upon completion of this method, the host cell is destroyed as the next generation of viruses are released.
ANSWER: **lytic** cycle
[10] The lytic and lysogenic cycles are both methods used by this class of viruses that infect bacteria.
ANSWER: bacterio**phage**s
[10] Bacteriophages that are able to display both a lysogenic life cycle and a lytic life cycle are described with this adjective, in contrast to the adjective "virulent."
ANSWER: **temperate** bacteriophages [or **temperate**ness] <BW> Ed. GC