Tournament 15
Round 12

1. At the end of this game, the hero shoots Tychus Findlay in order to save a character voiced by Tricia Helfer. This game will have two expansions, entitled Heart of the Swarm and Legacy of the Void. Its player character is (*) Jim Raynor, who also appears in Brood War and this game's predecessor. For 10 points, name this 2010 sequel to a game featuring Terrans, Protoss, and Zerg. ANSWER: StarCraft II: Wings of Liberty [or Wings of Liberty; do not accept or prompt on "StarCraft" alone]

024-10-19-12102
2. This author lost popularity by refusing to let families pienic on Three Mile Point, causing him to try to rehabilitate his public standing by writing a novel about Judith and Hetty Hutter. Another of his novels ends with the deaths of Cora Munro and Uncas, who is fatally stabbed by Magua. This author gained acclaim for a series of novels about the relationship between (*) Chingachgook and an American nicknamed "the Deerslayer." For 10 points, name this author who wrote about Natty Bumppo in his Leatherstocking Tales, which include his novel The Last of the Mohicans.
ANSWER: James Fenimore Cooper
004-10-19-12103
3. This modern-day nation was the site of the ancient city of Caracol. This country's capital was located at its namesake port city until Hurricane Hattie struck in 1961. The Maya Mountains are a large intrusive block of granite in this country, which is a scuba-diving haven because its namesake reef is the second-longest $\left(^{*}\right)$ barrier reef in the world. For 10 points, name this only English-speaking Central American country, a former British colony with capital at Belmopan.
ANSWER: Belize
026-10-19-12104
4. One part of this work describes how a boy killed by Jews sings of the crime because of a grain placed under his tongue by the Virgin Mary. Another part of this work tells how three men who vow to kill Death find bushels of gold under an oak tree and murder each other over it. This collection includes stories narrated by the Prioress and the Pardoner, as well as a story in which Arcite and Palamon fight over their love for Emily, which is told by the (*) Knight. For 10 points, name this poetry collection narrated by pilgrims at the Tabard Inn, written by Geoffrey Chaucer.
ANSWER: The Canterbury Tales
5. In linear algebra, this function is only defined for square matrices, and is a function of a matrix $A$ such that A times this function of A equals the identity matrix. A function $f(\mathbf{x})$ is (*) one-to-one if one of these functions $g(x)$ exists such that $f$ of $g$ of $x$ equals $x$. The multiplicative form of this function is also known as the reciprocal, and in addition it can be found by simply negating the expression. For 10 points, name this kind of function that undoes the effect of another function, which in addition involves adding a number such that the result is zero.
ANSWER: inverse
6. This composer celebrated the end of World War Two with a "rather too commercial" D-flat sixth chord in his Symphony in Three Movements, and omitted violins from his Symphony of Psalms. A high bassoon solo opens one of his works subtitled "Pictures from Pagan Russia." Another of his collaborations with Serge Diaghilev and the Ballets Russes features Prince Ivan breaking the spell of Kashchei the Immortal by smashing a magical egg with the help of the title (*) glowing bird. For 10 points, name this Russian composer of The Rite Of Spring and The Firebird. ANSWER: Igor Stravinsky
7. Organisms in this phylum have chemosensors known as osphradia, and the scaphopods in this phylum contain light-sensing organs known as aesthetes. This phylum's second-largest class is sometimes called Pelecypoda because organisms in that class apparently look like hatchets. A unique class within this phylum has a closed circulatory system and contains the lowest organisms thought to have a "true" brain. In addition to (*) Bivalvia and Cephalopoda, other classes within this phylum include Gastropoda, which contains slugs and snails. For 10 points, name this phylum that includes octopi and clams.
ANSWER: Mollusca [or mollusks]
8. King Shuddhodana kept this husband of Yashodhara in seclusion for the first twenty-nine years of his life. Upon leaving that seclusion, this man went on four trips, seeing on the trips an old man, a sick man, a corpse, and an ascetic. This man later decided that the best choice was the Middle Way. Mara attacked this man when he sat underneath the (*) Bodhi (BO-dee) Tree. For 10 points, name this man who came to understand the Four Noble Truths after he reached nirvana, and whose teachings formed the basis for an eponymous religion.
ANSWER: Buddha [or Siddhartha Gautama; or Shakyamuni]
023-10-19-12109
9. The London and New York premieres of this opera featured the soprano Minnie Hauck playing the titular character, who sings the aria 'L'amour est un oiseau rebelle" in act one. The line "love awaits you" ends the aria "Votre toast, je peux vous le rendre," which is sung by Escamillo. The title character works at a cigarette factory and convinces the soldier (*) Don José to become a smuggler. The well-known Habanera and Toreador Song are included in, for 10 points, what Georges Bizet opera about the titular Spanish gypsy woman?
ANSWER: Carmen
003-10-19-12110
10. Yedoma is a variety of these formations with a high proportion of trapped greenhouse gases. These landforms are characterized by patterned ground. They are classified by the USGS as gelisols and may be interrupted by taliks. Degradation of these formations can lead to thermokarst processes and "drunken forests" due to subsidence. They are overlain by an active layer which is the only portion of the (*) soil horizon able to support plant life, due to seasonal thawing. For 10 points, give this name for continually frozen soil.
ANSWER: permafrost
11. A measure to deter price gouging during this time period known as the General Maximum was an extension of an operating document regulating tribunals known as the Law of Suspects. Two victims of this period were Jacques Hebert, the leader of the sansculottes, and Georges Danton. Those men opposed this period's governing body, the (*) Committee of Public Safety. Ending during the Thermidorean reaction with the overthrow of Maximilian Robespierre, for 10 points, name this period of bloodshed during the first years of the French Revolution.
ANSWER: Reign of Terror [or La Grande Terreur]
12. In this man's namesake effect, a magnetic field rotates the plane of polarized light. This man was the first to produce sub-freezing temperatures in the laboratory, and he developed the laws of electrolysis. This man developed the idea of "lines of force" to describe electric and magnetic fields, and invented the first $\left(^{*}\right)$ dynamo. His namesake law states that the negative time rate of change of the magnetic flux through a closed loop equals the induced emf (E-M-F) in the loop. For 10 points, name this English physicist who demonstrated induction.
ANSWER: Michael Faraday
13. One character in this book recalls watching the pornographic Three Weeks in a Helicopter, which dredges up bad memories of his mother's relationship with Popé. That character grew up in New Mexico, where his mother Linda had been abandoned by the Director of Hatcheries. Another character often wears green, even though everyone else in her caste wears maroon. In addition to John the (*) Savage and Lenina Crowne, this book revolves around Bernard Marx, who should be an Alpha-Plus but is too small. For 10 points, name this dystopian Aldous Huxley novel.
ANSWER: Brave New World
14. This painting was a departure in setting from its artist's usual work, which is set in the Brandywine Valley town of Chadds Ford, as well as its painter's most common subject, Helga Testorf. It instead was created in Cushing, Maine, and depicts a figure whom the artist stated "was limited physically but by no means spiritually." That subject reaches towards the top of a hill, where farm buildings await across $\left(^{*}\right)$ a field of grass. For 10 points, identify this 1948 painting of a pink-dressed polio victim, created by Andrew Wyeth.
ANSWER: Christina's World
15. The theory that this phenomenon is a function of social structures is known as strain theory. James Q. Wilson and George Kelling theorized that it can be prevented by decreasing urban disorder, the so-called 'broken windows' theory. Cesare Beccaria (say-ZAR-ay beck-CAR-ee-ah) and Jeremy Bentham advocated $\left({ }^{*}\right)$ punishment as a deterrent for it, but discouraged the death penalty. For 10 points, name this phenomenon in which laws are broken.
ANSWER: crime
16. This case was decided jointly with Vignera v. New York and Westover v. United States. This case revised an earlier decision from Illinois that was based on the Sixth Amendment rights of Danny Escobedo. The defendant in this case confessed to raping an eighteen-year-old woman, but the Supreme Court ruled his confession (*) inadmissible because his Fifth Amendment rights had not been upheld. For 10 points, name this Supreme Court case, which requires officers to read apprehended suspects their rights.
ANSWER: Miranda v. Arizona
17. A posthumous work of this philosopher contains sections such as 'Thoughts on Mind and on Style" and 'The Misery of Man Without God." Under the pseudonym Louis de Montalte, he criticized Jesuitism and supported Jansenism in his Provincial Letters. His argument in favor of making the decision to live as if God (*) exists was included in his Pensées. For 10 points, name this French philosopher who made a wager about the existence of God.
ANSWER: Blaise Pascal
024-10-19-12118
18. A period known as "The Years of Hunger" occurred during the reign of this man, who first came to fame by leading his country's Foreign Legion in the Rif War. A farewell speech at the Zaragoza military academy placed him under police surveillance. Later, he led the African forces in a failed coup with Emilo Mola and José Sanjurjo (san-HUR-ho). This leader of the (*) Falange (fuh-LANJ) party remained neutral during World War II and in 1969 he named Juan Carlos I to be his successor. For 10 points, name this Spanish dictator from 1939 to 1975.
ANSWER: Francisco Franco Bahamonde
19. This author propounded anti-Semitic sentiment in A Writer's Diary, and also wrote The House of the Dead. Other novels by this author include one in which a parable is told about Christ returning to Earth during the Inquisition; that novel's title characters are Ivan, Alyosha, and Dimitry. Another of his novels tells of the aftermath of an axe (*) murder and features the prostitute Sonya. For 10 points, name this author who wrote The Brothers Karamazov and told about Raskolnikov in Crime and Punishment.

ANSWER: Fyodor Mikhaylovich Dostoyevsky
20. This man was arrested following the proclamation of the Plan of Tacubaya. This leader was one of the chief supporters of the Plan of Ayutla and led liberal forces during the War of Reform. This man preceded by Ignacio Comonfort started as a governor of Oaxaca (wuh-HAH-kuh) and was forced to move his capital to San Luis Potosi. His decision to suspend foreign payment led to the installation of (*) Emperor Maximilian I, a puppet of Napoleon III. For 10 points, name this first indigenous president of Mexico who opposed the French invasion of the 1860's.
ANSWER: Benito Pablo Juarez
21. This composer included an allegretto quasi menuetto second movement in his 1st Sonata for Cello and used stanzas from Goethe's Harzreise im Winter for his Alto Rhapsody. This creator of Variations and Fugue on a Theme by Handel wrote a first symphony sometimes called "Beethoven's Tenth." He used the text of Luther's translation of the Bible for a choral work written after the death of his mother, the $\left(^{*}\right)$ German Requiem. For 10 points, name this German composer of the Academic Festival Overture, and a famous Lullaby.
ANSWER: Johannes Brahms
22. This event caused members of a certain profession to begin wearing beak-like masks. Because of this event, a force of Tartars broke off their siege of Kaffa. Flagellants rose to prominence during this event, from which the nursery rhyme "Ring around the rosy" originated. This event was caused by yersinia pestis born by flea-bearing (*) rats. As a result of this event, the population of Europe fell by a third between 1348 and 1350. For 10 points, name this disease that killed millions of fourteenth century Europeans.
ANSWER: Black Plague [or Bubonic Plague]
080-10-19-12123
23. Lamech gives a speech to Adah and Zillah comparing himself to this man. In the Quran, Allah sends a raven to instruct this man. In the Bible, he is said to have built a city and named it after his son Enoch after dwelling in the land of $\left({ }^{*}\right)$ Nod. He is given a mark indicating that any who kill him will have vengeance taken on them sevenfold. He is described as a tiller of the ground, and asks "am I my brother's keeper?" after completing his most famous action. For 10 points, name this son of Adam and Eve who kills his brother Abel.
ANSWER: Cain

1. The leaders of this insurrection, including Patrick Pearse, did not entertain any notions of actually surviving and were convinced that they needed to become martyrs to further their cause. For 10 points each:
[10] Name this 1916 rebellion that took place on the Monday after a certain holiday.
ANSWER: Easter Rebellion [or Easter Rising]
[10] The Easter Rebellion occurred on this island, which sought the home rule promised by Britain in 1914 but was postponed until 1922 due to World War I.
ANSWER: Ireland [or Eire]
[10] Survivors of the Easter Rising reorganized under Eamon de Valera as this militia unit, which has several times splintered into antagonistic paramilitary units, including a currently-operating "Real" one. ANSWER: Irish Republican Army [or IRA]

003-10-19-12201
2. This device usually contains cache, an ALU, and registers. For 10 points each:
[10] Name this part of the computer where the majority of the general purpose computations are done.
ANSWER: CPU [or central processing unit]
[10] CPUs used in personal computers have a processing unit to handle operations on these types of numbers, which are described in the IEEE 754 specification. This allows operation on numbers which are not integers.
ANSWER: floating point
[10] An IEE 754 floating point number with all ones in the exponent field and a non-zero fraction field has this value, which indicates that it does not have a numerical interpretation.
ANSWER: NaN [or Not a Number]
001-10-19-12202
3. His secretary of labor was Frances Perkins, the first ever female cabinet member. For 10 points each: [10] Name this American president who called the attacks on Pearl Harbor "a date which will live in infamy."
ANSWER: Franklin Delano Roosevelt [or FDR; prompt on Roosevelt]
[10] During his four terms, Roosevelt gave approximately thirty of these informal radio addresses. ANSWER: fireside chats
[10] Roosevelt's cabinet also contained this Tennessean, who served the longest term of any Secretary of State and won a Nobel prize for his work on the United Nations.
ANSWER: Cordell Hull
4. A pineapple has appeared in almost every episode of this show, which stars Maggie Lawson as the love interest of the protagonist, who is played by James Roday. For 10 points each:
[10] Name this TV show focusing on the detective duo Shawn and Gus. Shawn's observational skills have led some to believe he has special powers.
ANSWER: $\underline{\text { Psych }}$
[10] Psych is shown on this cable network, which also features Royal Pains and Burn Notice.
ANSWER: USA Network
[10] This other USA show stars Mary McCormack as Mary Shannon, an officer in the Federal Witness Protection Program stationed in Albuquerque, New Mexico.
ANSWER: In Plain Sight
5. This country's dictator Ferdinand Marcos was unseated after popular protests exploded against a rigged election he won over Corazon Aquino. For 10 points each:
[10] Name this Asian archipelago country whose rebellion against colonial Spain was led by Emilio Aguinaldo.
ANSWER: Republic of the Philippines [or Republika ng Pilipinas]
[10] After the Philippines won independence from Spain, they were ruled by this nation, which had also gained control of Guam, Cuba, and Puerto Rico in the 1898 Treaty of Paris.
ANSWER: the United States of America [or logical equivalents]
[10] In 1991, the economy of the Philippines was devastated by the massive eruption of this volcano on the island of Luzon. Its eruption caused the planetary temperature to cool by half a degree Celsius.
ANSWER: Mount Pinatubo
004-10-19-12205
6. It has been theorized that this man died of arsenic poisoning. For 10 points each:
[10] Name this leader of a 1799 coup, a French Emperor born on the island of Corsica.
ANSWER: Napoleon I Bonaparte
[10] Napoleon died in 1821 on this island, where he had been exiled since 1815.
ANSWER: Saint Helena
[10] After losing the War of the Sixth Coalition in 1813, Napoleon was exiled to this Mediterranean island which belongs to Italy.
ANSWER: Elba
024-10-19-12206
7. Among this composer's works are the Chichester Psalms and his three symphonies, the first of which is subtitled "Jeremiah." For 10 points each:
[10] Name this American composer and conductor, best known for writing the music for the musicals On the Town and West Side Story.
ANSWER: Leonard Bernstein
[10] In 1958, Bernstein became the first American-born music director of this orchestra, which is featured in the Young People's Concert series and plays at Lincoln Center.
ANSWER: New York Philharmonic Orchestra [or Philharmonic-Symphony Society of New York]
[10] Bernstein is also known for his recording of this Dmitri Shostakovich symphony. It features the "invasion theme", and is dedicated to a city that withstood a German siege during World War II.
ANSWER: Symphony No. $\mathbf{7}$ in C Major [or Leningrad Symphony]
083-10-19-12207
8. This author's short fiction includes the story "Odour of Chrysanthemums." For 10 points each:
[10] Name this author who created the Brangwen family, which features in his novel The Rainbow. He also wrote Sons and Lovers.
ANSWER: David Herbert [D. H.] Lawrence
[10] Lawrence's The Rainbow was a prequel to this novel, in which the Brangwen sisters are the title females.
ANSWER: Women in Love
[10] Lawrence also wrote this novel, which was the subject of an obscenity trial in Britain. It concerns the title character's affair with gamekeeper Oliver Mellors.
ANSWER: Lady Chatterley's Lover
9. One of the title characters of this opera is told by Mercury to leave for a new land, which prompts the other title character to sing the aria "When I am Laid in Earth." For 10 points each:
[10] Name this opera which is set in Carthage and is based on Virgil's Aeneid.
ANSWER: Dido and Aeneas
[10] Dido and Aeneas is an opera by this English Baroque composer who also composed the operas King Arthur and The Fairy-Queen.
ANSWER: Henry Purcell
[10] The role of Aeneas requires this singing voice, the highest of the male vocal ranges that does not require falsetto.
ANSWER: tenor

083-10-19-12209
10. Name these bodies of water in and around Turkey, for 10 points each.
[10] To the north of Turkey is this sea, which contains the Crimean Peninsula.
ANSWER: Black Sea
[10] The Black Sea is connected to the Aegean by the Bosporus and the Dardanelles. Between those two straits lies this sea, known in ancient Greece as the Propontis.
ANSWER: Sea of Marmara
[10] This river is formed in Turkey from the union of the Kara and the Murat. It is the more westerly of the two rivers which define the boundaries of Mesopotamia.
ANSWER: Euphrates River
024-10-19-12210
11. In this work, Jacopo Belbo uses his computer Abulafia to concoct the Plan, a satire of occult theories involving the Knights Templar and telluric currents. For 10 points each:
[10] Name this 1988 work narrated by Belbo's co-worker Causabon.
ANSWER: Foucault's Pendulum
[10] This author of Foucault's Pendulum also wrote a medieval murder mystery centering on the lost second book of Aristotle's Poetics, The Name Of The Rose.
ANSWER: Umberto Eco
[10] Belbo, Causabon, and Diotavelli all hail from this country, Eco's home. Other authors from here include Giuseppe Tomasi di Lampedusa and Luigi Pirandello.
ANSWER: Italy
082-10-19-12211
12. These are represented by a capital letter Q. For 10 points each:
[10] Name these numbers that include any number expressed by the quotient of two integers, as long as the denominator is not zero.
ANSWER: rational numbers [or rationals]
[10] This German mathematician introduced the concept of ideals in abstract algebra, and discovered that the rational numbers can be partitioned to create the real numbers using his namesake "cuts."
ANSWER: Richard Dedekind
[10] Cardinality, of which the integers and rationals have the same value, refers to the number of elements in one of these unordered collection of unique elements.
ANSWER: sets
13. An important property of some of these is pluripotency. For 10 points each:
[10] Name these undifferentiated cells that are able to develop into different cell types and undergo self renewal.
ANSWER: stem cells
[10] Stem cells use a namesake enzyme to keep these repetitive DNA sequences at the ends of chromosomes an appropriate length.

## ANSWER: telomeres

[10] This class of stem cells gives rise to blood cells like red blood cells via the common myeloid progenitor and lymphocytes.
ANSWER: Hematopoietic stem cells [or HSCs]
001-10-19-12213
14. Answer the following about some infamous legal defenses, for 10 points each.
[10] Johnnie Cochran noted that if the glove didn't fit, "you must acquit", when defending this former NFL running back after he was accused of murdering Nicole Brown and Ronald Goldman.
ANSWER: Orenthal James "O.J." Simpson
[10] This assassin of President James Garfield insisted on not having a lawyer and blamed the doctors rather than himself for Garfield's death.
ANSWER: Charles Julius Guiteau
[10] This assassin of San Francisco politicians George Moscone and Harvey Milk claimed that his consumption of junk food like Twinkies led to his actions.
ANSWER: Dan White
064-10-19-12214
15. One of this author's non-poetic works is a study of the cubic equation, Treatise on Demonstration of Problems of Algebra. For 10 points each:
[10] Name this author, born into a family of tent-makers, one of whose collections of quatrains was translated by Edward Fitzgerald.
ANSWER: Omar Khayyam
[10] That collection of quatrains by Omar Khayyam was given this title by Edward Fitzgerald, and includes the line "A Book of Verses underneath the Bough, A Jug of Wine, a Loaf of Bread--and Thou."
ANSWER: The Rubaiyat of Omar Khayyam
[10] Omar Khayyam wrote in this language. Other poets who wrote in this language include Rumi and Hafez.
ANSWER: Persian [accept Earsi; do not accept "Iranian" or "Arabic"]
084-10-19-12215
16. In a work about the "Unreality" of this concept, J.M.E. McTaggart argued for its nonexistence by presenting two interpretations of it called the "A-series" and the "B-series." For 10 points each:
[10] Name this concept paired with "Free Will" in an essay by Bergson. It is paired with "Being" in the title of a book that introduces a concept of being called dasein.
ANSWER: time [do not accept or prompt anything else]
[10] Being and Time is a work of this German philosopher, a student of Husserl who penned Kant and the Problem of Metaphysics.
ANSWER: Martin Heidegger
[10] Heidegger is also remembered today for his attempt to become the philosophical voice of this political party, which purged universities based on both ideology and ethnicity.
ANSWER: Nazi Party [or Nazis; or Nazism; or National Socialist German Workers' Party; or Nationalsozialtische Deutsche Arbeiterpartei]
17. One law developed by this man notes that absorptivity and emissivity are equal at thermal equilibrium. For 10 points each:
[10] Name that man who stated that a hot, dense gas produces a continuous spectrum as part of his three laws of spectroscopy.
ANSWER: Gustav Robert Kirchhoff
[10] Kirchhoff's junction rule states that at an electrical junction, the sum of this quantity flowing into the junction is equal to the sum of this quantity flowing out of the junction.
ANSWER: electrical charge
[10] Kirchhoff's loop rule states that the sum of this quantity around a circuit is equal to zero.
ANSWER: voltage [or $\mathbf{V}$; or potential difference; prompt on potential]
064-10-19-12217
18. The end of this month is marked with a feast on Eid ul-Fitr (EED al-FIT-rr). For 10 points each:
[10] Name this holiest month of the Islamic calendar.
ANSWER: Ramadan
[10] Practicing Muslims engage in this pillar of fasting during Ramadan, although there are exceptions for the sick and elderly.
ANSWER: Sawm
[10] Another Eid, the Eid al-Adha, is observed after this annual pilgrimage to Mecca that devout Muslims are expected to try once in their lives
ANSWER: Hajj
015-10-19-12218
19. The prelude to this poem begins, "This is the forest primeval." For 10 points each:
[10] Name this poem about the expulsion of the Acadians, in which the title girl searches for her love Gabriel Lajeunesse.
ANSWER: Evangeline, A Tale of Acadie
[10] Evangeline was written by this poet who wrote The Song of Hiawatha and The Courtship of Miles Standish.
ANSWER: Henry Wadsworth Longfellow
[10] Longfellow also wrote a poem about the "midnight ride" of this Boston silversmith.
ANSWER: Paul Revere
024-10-19-12219
20. Her paintings include Little Girl in a Blue Armchair and The Child's Bath. For 10 points each: [10] Name this female artist associated with the Impressionism movement who also painted The Boating Party.
ANSWER: Mary Cassatt
[10] This friend of Cassatt is known for his many depictions of race horses and for The Cotton Exchange at New Orleans.
ANSWER: Edgar Hilaire-Germain-Degas (de-GAH)
[10] Degas may be best known for painting many scenes of this type of person, such as one painting that includes "One with Dark Crimson Waist" and another where they are at a rehearsal.
ANSWER: ballet dancers [or ballerina]
21. This prophet preached against the sins of the Northern Kingdom. For 10 points each:
[10] Name this prophet of the Old Testament who remarried the faithless prostitute Gomer after deserting her.
ANSWER: Hosea
[10] This prophet's scribe Baruch preserved his sayings. This author of Lamentations warned against the invasion of an enemy from the north after seeing a boiling pot facing north in one of his visions.
ANSWER: Jeremiah
[10] This prophet's namesake book predicts doom for the wicked in Israel, and includes the "songs of the suffering servant," which were later taken to be prophecies of the coming of Christ.
ANSWER: Isaiah

