

Harvard Fall Tournament IX

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Round 9

Tossups

1. **At one point in this film, a character repeats the phrase “white man’s burden” as a bartender named Lloyd pours him a glass of Jack Daniels. In another scene in this film, a character writes a word backwards in lipstick on a door, then repeats that word in the voice of his imaginary friend. This film’s score heavily features the music of Krzysztof Penderecki, and its climax sees three characters race through a snowy (*) hedge maze. Prior to that scene, this film’s protagonist, Jack Torrance, breaks through a bathroom door with an ax and exclaims “Here’s Johnny!”** For 10 points, name this Jack Nicholson-starring Stanley Kubrick film set at the Overlook Hotel.

ANSWER: *The Shining*

2. **In a reaction unique to this technique, ketone radicals with gamma-hydrogens react to form terminal alkenes and enol radicals; that is the McLafferty rearrangement. One variant of this technique involves stripping electrons from the sample using an inductively-coupled plasma, while another uses a matrix-assisted laser. This technique is frequently paired with (*) gas or liquid chromatography. This technique measures the time-of-flight after ionizing and breaking up a sample, from which it can output a series of peaks respective to their mass-to-charge ratios. For 10 points, name this analytic technique used to measure the abundance of atoms and molecular fragments in a sample.**

ANSWER: mass spectrometry [accept MS; accept word forms; prompt on “spectrometry”]

3. **In one painting by this artist, a woman with an unlit lantern attached to her belt and a man with a large hat and a strange bulge on his back walk away from the central scene. On the right of another painting by this artist, a guide falls into a ditch, dragging his five followers with him. A pack of dogs follows three figures, one of whom carries the corpse of a (*) fox, as they approach a village in which groups of people are ice skating, in a third painting by this artist of *The Blind Leading The Blind*. For 10 points, name this painter of *The Fight Between Carnival and Lent* and *The Hunters in the Snow*, a Flemish Renaissance artist who painted *Landscape With the Fall of Icarus*.**

ANSWER: Pieter Bruegel the Elder

4. **One poet who wrote in this language asked “To whom do I send this fresh little book / of wit, just polished off with dry pumice?” in a dedication. A satirical group of poets who wrote in this language were the Goliards. A poet who wrote in this language ended one of his works with the line “I have created a monument more lasting than bronze,” and warned a woman to “put as little (*) trust as possible in tomorrow.” That poet also penned a phrase often translated as “It is sweet and honorable to die for one’s country,” and wrote the *Ars Poetica* and four books of odes. For 10 points, name this language used by Catullus and Horace, both of whom wrote in ancient Rome.**

ANSWER: Latin

5. Along with Liouville [“loo-ee-vill”], this mathematician names an integral in fractional calculus that associates each function f with a set of iterated antiderivatives of f . This man’s mapping theorem assures the existence of a biholomorphic map from each simply-connected open subset of the complex plane to the open unit disk. His namesake (*) function can be analytically continued to complex values with negative real parts, and has a pole at $z=1$. This man’s namesake conjecture states that the complex roots of that aforementioned zeta function all have real part one-half. For 10 points, name this mathematician who names a method of calculating integrals using approximations of “sums” of areas under a curve.

ANSWER: Georg Friedrich Bernhard Riemann

6. Highly disordered “FG” complexes in this organelle contain multiple phenylalanine-glycine repeats. A gradient between the two conformational forms of the GTPase Ran drives transport into this organelle. This organelle is targeted by H&E and DAPI staining. The membrane of this organelle contains a namesake protein lamina and is the site of its namesake (*) pore complexes. Histone proteins can be found in this organelle, and a smaller structure within this organelle produces ribosomes. The “envelope” of this organelle is double-layered and its presence is the distinguishing characteristic of eukaryotes. For 10 points, name this organelle that contains the cell’s DNA.

ANSWER: nucleus [accept nuclear envelope or membrane; do not accept “nucleolus”]

7. In this play, a character declares her love for an older character, then sings and dances to the song “Prenez garde a Tchou-Tchin-Tchou.” After the appearance of a woman wearing black silk and a pair of scissors on a silver chain in this play, one character declares it a “vulgar trick.” This play ends with the declaration, “I’ve lost a whole day over (*) these people. A whole day!” A boy shoots himself offstage in the final act of this play, after seeing his sister drown in a fountain. The title figures of this play enter during a rehearsal of *Mixing It Up* and request that another play be written about them. For 10 points, name this absurdist play by Luigi Pirandello.

ANSWER: Six Characters in Search of an Author [or Sei personaggi in cerca d'autore]

8. The Kemeny-Young method is one way of resolving these events. A strange occurrence at one of these events opens Jose Saramago’s novel *Seeing*. In the first half of Martin Scorsese’s *Taxi Driver*, Travis Bickle stalks a girl involved in one of these events who works for Charles Palantine. During two of these events, “Border Ruffians” from Missouri streamed into (*) Kansas in order to participate, and one of them was resolved in the Compromise of 1877. Duverger’s Law states a consequence of using a “first past the post” system for running these events. For 10 points, name these events, examples of which were won in 2008 and 2012 by Barack Obama.

ANSWER: elections [accept votes, as well as more specific answers, such as presidential elections; also accept primaries or campaigns, or party conventions].

NOTE TO MODERATOR: Please look at answerlines before reading.

9. One of these conflicts saw György Dózsa eaten by a group of *kuruc* after he was forced to sit on a red-hot iron throne. Guillaume Cale was executed while visiting the enemy camp of Charles the Bad during one of these events. Martin Luther wrote an essay attacking participants in one of these events as “murderous” and “thieving.” Those participants were led by Thomas (*) Müntzer. The Jacquerie was an example of this type of conflict, and during a different one, the Tower of London was broken into by men loyal to Wat Tyler. For 10 points, name these armed conflicts which often arose in response to perceived oppression of rural residents.

ANSWER: peasant revolts [accept “rebellion” or “uprising” in place of “revolt,” but prompt on partial answers of solely “revolt” / “rebellion” / “uprising” etc.; accept popular revolt/rebellion/uprising/etc.; before end, accept any answer conveying the idea that poor people or rural people or agricultural workers are rebelling]

10. This leader wrote a platform opposing the *Ley del Caso* and the influence of Masonic Lodges called the Plan of Cuernavaca, and replaced an 1824 constitution with the Siete Leyes. This leader earlier drafted the Plan of Casa Mata with Guadalupe Victoria in 1822 in order to overthrow the monarchy of Agustín de Iturbide. This leader lost an 1836 battle to forces led by Sam (*) Houston, and laid siege to a Mexican mission near San Antonio de Bexar, which led to the deaths of James Bowie and William Barret Travis. For 10 points, name this eleven-time President of Mexico who lost the Battle of San Jacinto and besieged the Alamo in 1836.

ANSWER: Antonio López de Santa Anna [prompt on incomplete answers]

11. One character in this novel gives another character an alternate Gospel in which Jesus is a bum who is crucified for fun, after which God adopts him as his own son. Some characters in this novel engage in looting while riding in a green, coffin-shaped wagon, and this novel ends with a bird asking the protagonist (*) “Poo-tee-weet?” A character in this novel is executed by firing squad for stealing a teapot. This novel’s protagonist is imprisoned in a zoo with a porn star after being kidnapped by plunger-shaped aliens from Tralfamadore. For 10 points, name this novel which features the repeated refrain “So it goes,” a work about the time-traveling Billy Pilgrim by Kurt Vonnegut.

ANSWER: Slaughterhouse-Five, or, *The Children’s Crusade*

12. In *Wygant v. Jackson*, the Supreme Court developed the “strong basis in evidence” test for reviewing this practice, while another case about this practice accepted the state’s interest in achieving a “critical mass.” Abigail Fisher challenged the “Top Ten Percent” rule in a recent case about this practice, which Elizabeth (*) Warren was accused of taking advantage of in her Senate campaign. According to *Bakke* [BAH-key], this practice is not allowed to extend to the use of quotas, and this practice was upheld in *Grutter v. Bollinger*. For 10 points, name this practice of favoring members of a disadvantaged group in hiring and admissions.

ANSWER: affirmative action

13. After being surrounded by the Clitorans, one man who held this position offered his kingdom to any man in his army who would not drink water. Firstborn sons of these leaders were the only males exempt from the *agoge* [a-GO-gay]. These rulers were descended in two lines from the twins Procles and Eurysthenes, and ruled in a (*) diarchy. The most famous of these leaders was the husband of Gorgo and was killed in battle after Ephialtes told the opposing side about a hidden mountain pass. For 10 points, name this position held by Leonidas I during the Battle of Thermopylae, the head of a notoriously warlike Greek state.

ANSWER: King of Sparta [accept ruler of Sparta, etc.]

14. In 2000, Oleksandr Moroz accused this country’s president of complicity in the death of Georgiy Gongadze in what became known as the Cassette Scandal. The UBK movement formed out of that event to oppose the presidency of Leonid Kuchma. In a 2004 election, this country’s Party of Regions supported a candidate who lost to a man poisoned with dioxin during the (*) Orange Revolution, Viktor Yushchenko. Following protests on the Maidan a decade later that ousted president Viktor Yanukovich, the Donetsk and Luhansk People’s Republics were declared in this country’s east. For 10 points, name this former Soviet republic with capital at Kiev.

ANSWER: Ukraine

15. In one of this author's novels, an elaborate floral arrangement around a gravesite is destroyed by water from a gargoyle spout. After murdering his half-siblings, one character created by this author hangs himself after leaving a note reading "Done because we are too menny." That character, Little (*) Father Time, appears in a novel whose title character wins back Sue Bridehead from his former teacher while living in Christminster. In another novel by this author, a drunken Michael Henchard auctions off his wife and daughter to a sailor. For 10 points, name this author of *Far From the Madding Crowd*, *Jude the Obscure*, and *The Mayor of Casterbridge*.

ANSWER: Thomas Hardy

16. This man once produced a swarm of poisonous snakes after dripping an enemy's blood on the ground. He killed his grandfather's brother Proetus, and then exchanged the kingdom of Argos for Tiryns with Proetus's son Megapenthes. While attending funeral games at Larissa, this hero accidentally killed his grandfather with a discus throw. This grandson of (*) Acrisius was conceived after his mother was locked in a tower, into which Zeus came down in a golden shower. This son of Danae used Hades' cap of invisibility, Hermes' winged sandals, and Athena's mirrored shield to defeat a monster who turned people into stone. For 10 points, name this Greek slayer of Medusa.

ANSWER: Perseus

17. When Jesus visits this man's home in Capernaum, he heals the fever of this figure's mother. This man has a vision of a sheet carrying unclean animals descending from heaven, and asks Jesus "Quo vadis?" while exiting a city. In Acts 12, this man is arrested by Herod but is then freed when an angel leads him out of the prison. So as not to die in the same way as (*) Jesus, this man asks to be crucified upside down. Because this man is the "rock" upon which Jesus builds his church, he is generally recognized as the first Pope. For 10 points, name this apostle who holds the keys to the gates of Heaven.

ANSWER: Saint Peter [accept Simon Peter]

18. Robert Schumann's Opus 17 is a lengthy solo piano Fantasia in this key that was composed to raise funds for a monument to Beethoven. Georges Bizet was heavily influenced by Charles Gounod in writing an early symphony with this key in its title. Beethoven's *Diabelli Variations* are mostly in this key, as are Mozart's scale-heavy sixteenth piano sonata for beginners and his (*) Jupiter Symphony. This key's dominant is G major, and its relative minor is A minor. For 10 points, name this key whose signature has no sharps or flats, and whose scale is played on only the white keys of the piano.

ANSWER: C major [do not accept "C Minor," but C by itself is acceptable without prompting]

19. One advocate of this philosophy argued for the use of "quality," "relation," and "representation" as the categories of "firstness," "secondness," and "thirdness," and argued wrote an essay work emphasizing "distinctness." That proponent of this philosophy also discussed the "method of tenacity" in his essay "The Fixation of (*) Belief." A work named for this philosophy includes the problem of a man chasing a squirrel around a tree, and is subtitled "A New Name for Some Old Ways of Thinking." For 10 points, name this philosophy espoused in the essay "How to Make Our Idea Clear" by Charles Sanders Peirce [PURSE], as well as by William James.

ANSWER: pragmatism

20. When a constant of this theory is replaced by a spatially and temporally-varying scalar field, the result is the scalar-tensor Brans-Dicke theory. A test of this theory involved the observation of a pair of binary pulsars by Hulse and Taylor which won them the 1993 physics Nobel Prize. This theory predicts the existence of a (*) frame-dragging effect, which is responsible for the ergosphere surrounding the event horizon of rotating black holes. The main assumption of this theory is the equivalence of gravitational and inertial masses, and it uses the curvature of space to predict gravitational lensing. For 10 points, name this Einsteinian theory of gravitation contrasted with a “special” type.

ANSWER: general relativity [prompt on: “relativity”; do not accept “special relativity”]

21. Steven Pinker dubbed *this* a kind of “cheesecake,” prompting Daniel Levitin to respond in a book about the connections of *this* to cognitive neuroscience. Friedrich Nietzsche argued that Euripides eliminated the Dionysian element provided by the “spirit” of *this* in his *The Birth of Tragedy*. A 1997 book by Don Campbell popularized the notion that a certain form of *this* can improve spatial reasoning mental development in (*) infants. Prominent writers on this subject in the 20th century include Robert Christgau and Lester Bangs, and it is covered by publications like *Spin* and *Pitchfork*. For 10 points, name this art form behind the “Mozart Effect.”

ANSWER: music [accept specific types of music: popular music, classical music, rock n’ roll, etc.]

Bonuses

1. Answer the following about Revolutionary War poetry, for 10 points each:

[10] This “Poet of the American Revolution” described “the soul’s eternal sleep” in his poem “The Indian Burying-Ground and wrote of a “fair flower, that dost comely grow” in “The Wild Honey-Suckle.”

ANSWER: Philip **Freneau**

[10] Henry Wadsworth Longfellow recounted the “midnight ride” of this Revolutionary War figure in a poem which sees this man give instructions about hanging signal lanterns in the Old North Church.

ANSWER: Paul **Revere** [or “**Paul Revere’s Ride**”]

[10] This African-American female poet of “To His Excellency, George Washington” penned a number of poems about the Revolutionary War as it was taking place.

ANSWER: Phillis **Wheatley**

2. Make your hippie parents proud by answering the following questions about flowers in history, for 10 points each:

[10] These flowers title a period of prosperity and openness in the Ottoman Empire. They also caused a namesake “mania” in the Netherlands during which one of this flower’s bulbs could buy more than twenty tons of butter.

ANSWER: **tulips**

[10] The wearing of poppies by BBC presenters around Remembrance Day was criticized by Glenn Campbell, a member of this political wing of the IRA.

ANSWER: **Sinn Féin**

[10] This florally named student organization published six anti-Nazi leaflets, the last of which was air-dropped by Allied bombers over Germany. Its leaders were executed by guillotine in 1943.

ANSWER: **White Rose** [accept **Weisse Rose**]

3. In this short story, the Lord of Horikawa orders that the daughter of an artist and her monkey be burned alive in a carriage, so that that artist can complete an artwork for him. For 10 points each:

[10] Name this story which ends with the suicide of that artist, Yoshihide.

ANSWER: “**Hell Screen**” [or “**Jigokuhen**”]

[10] “Hell Screen” is a work by this Japanese short story master, who also penned “In a Grove.”

ANSWER: Ryunosuke **Akutagawa** [either order]

[10] Akutagawa’s story “Rashomon” centers on an encounter between a servant and an old woman who plucks *these* items from corpses in order to make wigs.

ANSWER: **hairs**

4. This dynasty defeated its predecessors in the 750 Battle of the Zab. For 10 points each:

[10] Name this dynasty, whose ruler Harun al-Rashid founded the House of Wisdom in Baghdad. It succeeded the Umayyad Caliphate.

ANSWER: **Abbasid** Caliphate

[10] The Abbasid ruler Al-Mansur sent a few thousand troops to help the Chinese Tang dynasty put down this rebellion, in which a namesake general established a rival Yan dynasty.

ANSWER: **An Lushan** Rebellion [or **An Shi** Rebellion]

[10] After being driven out of Baghdad by Hulagu Khan, the Abbasids established themselves under Mamluk rule in this current capital of Egypt.

ANSWER: **Cairo**

5. The philosophical theory of occasionalism states that created objects cannot be causative, and thus all events are caused by this entity. For 10 points each:

[10] Name this entity, five proofs of the existence of which, including the unmoved mover and first cause, were created by Thomas Aquinas.

ANSWER: **God** [accept equivalents]

[10] This Islamic philosopher articulated a form of occasionalism by arguing that fire does not burn cotton directly, but rather God burns the cotton, in his *The Incoherence of the Philosophers*.

ANSWER: **Al-Ghazali** [or **Algazel**]

[10] This later philosopher argued that the impulses of the heart should trump mental analysis when it comes to thinking about God in a treatise that largely deals with education, *Emile*.

ANSWER: Jean-Jacques **Rousseau**

6. Along with T cells, this type of cells are collectively known as lymphocytes. For 10 points each,

[10] Name these cells whose plasma variety are responsible for producing antibodies. These cells are actually not named for the marrow in which they are created.

ANSWER: **B** cells

[10] The class I type of this molecule presents antigens on the surface of an infected cell to cytotoxic T cells, which identifies it through use of CD8. The class II type of this molecule is recognized by CD4 on helper T cells, which triggers B cell activation.

ANSWER: **MHC** (accept **Major Histocompatibility Complex**)

[10] This type of disease can occur when antibodies fail to distinguish self-proteins from non-self proteins and begin attacking them. Examples of this type of disease include multiple sclerosis and rheumatoid arthritis.

ANSWER: **autoimmune** disease

7. Answer the following questions about South American miners, for 10 points each:

[10] Miners working in this Bolivian city's silver-rich Cerro Rico sacrifice llamas to El Tio, a local lord of the underworld who takes the form of a goat.

ANSWER: **Potosi**

[10] Member of "Los 33," or the trapped Chilean miners, had to take special medication to avoid these breaches of the stomach lining often caused by *H. pylori*.

ANSWER: peptic **ulcers**

[10] This author created a bunch of fictional Peruvian miners living in the town of Naccos in his 1993 novel *Death in the Andes*. This author also penned *Aunt Julia and the Scriptwriter*.

ANSWER: Mario **Vargas Llosa** [prompt on incomplete answers]

8. In this painting, a girl wearing a blue dress and a laurel wreath holds a trumpet and a book by Thucydides. For 10 points each:

[10] Name this painting in which that girl poses for a portrait in front of an enormous, partially creased map.

ANSWER: *The Art of Painting* [or *The Allegory of Painting* or *The Artist in His Studio*]

[10] *The Art of Painting* is a work by this Dutchman, who painted his hometown in his *View of Delft* and also created *Girl With a Pearl Earring*.

ANSWER: Jan **Vermeer**

[10] In one portrait, Vermeer depicted a girl wearing an enormous hat of this color. A painting by Henri Matisse of his studio is dominated by this color, which is also the color of a turban worn by a man in a Jan van Eyck painting.

ANSWER: **red** [accept *Girl With a Red Hat* or *The Red Studio*]

9. This man famously gave a speech in West Berlin in which he said, “Ich bin ein Berliner.” For 10 points each:

[10] Name this only president to win a Pulitzer Prize, and who was assassinated by Lee Harvey Oswald.

ANSWER: John Fitzgerald **Kennedy** [or **JFK**]

[10] This label, taken from a phrase in his acceptance speech, is given to Kennedy’s domestic policy programs, which included the Community Mental Health Act and the Equal Pay Act of 1963.

ANSWER: **New Frontier**

[10] As part of the New Frontier, Kennedy established the Presidential Commission on the Status of Women, which was headed by this woman, who oversaw the drafting of the Universal Declaration of Human Rights, and earlier attempted to establish a planned community at Arthurdale during her husband’s presidency.

ANSWER: **Eleanor Roosevelt** [prompt on incomplete answers]

10. The prologue of this opera opens with the Norns weaving the rope of Destiny and features an orchestral interlude depicting Siegfried’s dawn journey to the Rhine. For 10 points each:

[10] Name this opera, which features a famous “Immolation Scene,” in which Brunnhilde rides a horse into a funeral pyre.

ANSWER: **Gotterdammerung** [or **Twilight of the Gods**]

[10] *Gotterdammerung* is the final opera in this German composer’s *Ring* cycle, which opens with *Das Rheingold*.

ANSWER: Richard **Wagner** [VAHG-nur]

[10] In his operas, Wagner heavily employed these short musical phrases used to identify specific characters and themes.

ANSWER: **leitmotifs** [LIGHT-motifs]

11. This principle is also known as the action-reaction law. For 10 points each:

[10] Name this law, first articulated by an English mathematician and physicist, which states that all forces come in pairs.

ANSWER: **Newton’s third** law [prompt on “Newton’s laws”]

[10] Newton used his third law to derive the conservation of momentum. In these types of collisions, both momentum and energy are conserved without heat dissipation.

ANSWER: **elastic** collisions

[10] The conservation of momentum can also be derived using this theorem, from Galilean invariance. More specifically, this law predicts the conservation of momentum in any system with a translation-invariant Lagrangian.

ANSWER: **Noether**’s theorem

12. Examples of these compounds include ammonia and sodium hydroxide. For 10 points each:

[10] Name these substances which accept protons under the Bronsted-Lowry definition, and donate electron pairs in the Lewis definition.

ANSWER: **bases**

[10] When a weak acid is partially titrated, a solution of its coexisting protonated and deprotonated forms is formed. Given the relevant concentrations, the pH of that solution can be found using this equation if the pKa of the acid is known.

ANSWER: **Henderson-Hasselbalch** equation

[10] This theory, which characterizes Lewis acids on their polarizing power and Lewis bases on their polarizability, is useful at predicting solubility rules. It was extended through a quantitative definition of its central concept by Pearson and Parr in 1983.

ANSWER: **hard-soft acid base** theory [accept **HSAB** theory]

13. According to Wikipedia, this composer was a renowned trap shooter. For 10 points each:

[10] Name this American composer of the Marine Corps' official anthem, "Semper Fidelis," one of his many marches, which also include "The Stars and Stripes Forever."

ANSWER: John Philip **Sousa**

[10] This American composer quoted Sousa's "Washington Post March" in his 1906 work *Central Park in the Dark*. He also included instructions for the pianist to depress a set of keys with a piece of wood in his *Concord Sonata*.

ANSWER: Charles **Ives**

[10] This other composer included a "Coronation March" in his opera *Le prophete*. He's probably best known for composing the opera *Robert le Diable*.

ANSWER: Giacomo **Meyerbeer**

14. The protagonist of this book is imprisoned in a room by Mozart after stabbing Hermine. For 10 points each:

[10] Name this novel presented as a manuscript written by its protagonist, who is led through the Magic Theatre by a saxophonist named Pablo.

ANSWER: *Der* **Steppenwolf**

[10] The title character of this other novel by the author of *Steppenwolf* travels as a beggar with his friend Govinda, and later becomes a ferryman after living with Vasudeva.

ANSWER: **Siddhartha**

[10] Name this author of *Steppenwolf* and *Siddhartha*.

ANSWER: Hermann **Hesse**

15. For 10 points each, name some things related to Jewish religious law, or *halakha*:

[10] This word describes foods that obey Jewish dietary laws. Examples of foods that never fall into this category are pork and shellfish.

ANSWER: **kosher**

[10] Much of the *halakha* are clarified in this text, which uses the Oral Torah to describe Jewish laws and teachings. It is comprised of the Mishnah and Gemara.

ANSWER: **Talmud**

[10] This term refers to the 613 commandments explicitly given by God in the Torah. Fittingly, this term is the Hebrew for "commandment."

ANSWER: **mitzvah** [or **mitzvot**]

16. The Annals of the Four Masters describe an event in which unpaid longshoremen in this city refused to help move barrels of gunpowder off of English boats. Shockingly, they exploded. For 10 points each:

[10] Name this city where Sigtrygg Silkbeard was defeated by the forces of Brian Boru at the Battle of Clontarf. Lord Frederick Cavendish and Thomas Henry Burke were stabbed to death in a park in this city.

ANSWER: **Dublin**

[10] Dublin is the capital and largest city of this country, where Éamon de Valera served as the first Taoiseach.

ANSWER: Republic of **Ireland** [accept **Éire**]

[10] Dublin also saw heavy fighting between Irish nationalists and British forces during this 1916 insurrection, which occurred during a namesake holiday. Its leaders included Patrick Pearse and James Connolly.

ANSWER: **Easter Rising** [accept **Easter Rebellion**]

17. At the end of every day, this god battles the serpent Apep, who represents darkness. For 10 points each:

[10] Name this Egyptian god who sails his solar barge throughout the sky during the course of the day. At one point this god was merged with the distinct god Amun.

ANSWER: **Ra**

[10] This goddess poisoned Ra and only revealed the antidote to him after he told her his true name. In another story, this goddess reassembles the mutilated pieces of her husband.

ANSWER: **Isis**

[10] In another story, Ra grows angry with humanity and sends this lion goddess to Earth to punish humanity. However, this goddess goes overboard, and Ra has to get her drunk with red-dyed beer to placate her bloodlust.

ANSWER: **Sekhmet**

18. These can come in linked and doubly linked implementations. For 10 points each:

[10] Name these data structures that can be constructed in most languages by inputting items separated by delimiters and enclosed by parentheses, brackets, or braces. They can also be implemented using array data structures.

ANSWER: **lists** [accept **sequences**]

[10] In languages of this paradigm, lists are usually implemented as instances or subclasses of a generic “list” class, and traversed via separate iterators. Java and Python are examples of languages with this paradigm.

ANSWER: **object-oriented** programming [or **OOP**]

[10] Along with encapsulation and polymorphism, this is one of the three pillars of object-oriented programming. This feature allows a subclass to be treated like an instance of its parent class. It is distinct from subtyping.

ANSWER: **inheritance**

19. This author penned two plays about the soldier Bussy d’Ambois. For 10 points each:

[10] Name this author, better known for producing translations of the *Iliad* and the *Odyssey*. A poem describing “first looking into” this author’s translations of Homer mentions “stout Cortez” and its speaker hears this author “speak out loud and bold.”

ANSWER: George **Chapman** [accept “**On First Looking Into Chapman’s Homer**”]

[10] Constance Garnett, a later English translator, is best known for translating works from this language into English. Other notable translators of this language include Rosemary Edmonds and Ann Dunnigan.

ANSWER: **Russian**

[10] In 1999, Seamus Heaney produced a translation of this Old English epic, whose title hero slays Grendel and his mother before being killed by a dragon.

ANSWER: **Beowulf**

20. Mass transit in this city is facilitated by the Octopus Card. For 10 points each:

[10] Identify this Special Administrative Region of China. It contains the neighborhood of Kowloon and was returned to China in 1997 after more than a century and a half of British control.

ANSWER: **Hong Kong** Special Administrative Region of the People’s Republic of China [accept Zhongguo Renmin Gongheguo **Xiang Gang** Tebie Xingzhengqu]

[10] Hong Kong’s aforementioned public transit system includes these conveyances, which can be used to reach locales like Cheung Chau after being hired at Wong Shek Pier. Unlike ferries, they do not run on set routes.

ANSWER: **water taxis** [prompt on “taxi”]

[10] Directly north of Hong Kong in the Pearl River Delta lies this major city, the home of the first Special Economic Zone in China.

ANSWER: **Shenzhen**