Tossups

1. Miss Major Griffin-Gracy helped incite this event. This event occurred three years after a similar event at Compton's Cafeteria in San Francisco. It led to the decline of activist groups like the Daughters of Bilitis and the Mattachine ["mat-uh-sheen"] Society, who were replaced by more radical groups like the GLF. This event was reported on harshly by *The Village Voice*. It was described as the "Hairpin Drop Heard Round the World." During this event, an angry crowd formed an impromptu kick line, protesting a police raid on a Greenwich Village bar that catered to homosexual clientele. For 10 points, name these 1969 riots that kickstarted the American gay rights movement.
ANSWER: **Stonewall** riots [or 1969 **Stonewall** Inn riots]

2. This artist parodied Posada's "La Calavera Catrina" in a painting that shows this artist as a young boy holding hands with a dressed-up skeleton. One of this artist's paintings is flanked by a figure of Jupiter on the left and a headless statue of Caesar on the right. This artist of *Dream of a Sunday Afternoon in Alameda Park* showed doctors vaccinating Jesus in a Nativity scene in a set of paintings that focus on workers at a car factory. A painting that this artist of *Detroit Industry* created in New York City for Nelson Rockefeller was destroyed because of its depiction of Lenin. For 10 points, name this Mexican muralist of *Man at the Crossroads* who was married to Frida Kahlo.
ANSWER: Diego **Rivera**

3. In one of this author's novels, a driver hits a hyena at the same location at which he had hit a man ten years prior. One novel by this author opens at the Pension Bertolini, where Charlotte Bartlett wishes to stay near to the Arno. The widower protagonist of one of this author's novels befriends Cyril Fielding and Mrs. Moore, whose son is Ronny Heaslop. The protagonist of another novel by this author breaks off her engagement with Cecil Vyse to elope to Florence with George Emerson. This author wrote about the alleged rape of Adela Quested by Dr. Aziz in one work. For 10 points, name this British author of *A Room With a View* and *A Passage to India*.
ANSWER: Edward Morgan **Forster**

4. According to Talmudic tradition, this figure was accidentally killed by his great-grandson Lamech. In the Quran, this man wishes to marry the beautiful Aclima. This man fathers several sons, including Enoch, while wandering in the Land of Nod, but all of his descendents are later killed in the Flood. This farmer and brother of Seth gives God an offering of fruit, but it is rejected in favor of another man's sheep. This man later asks "Am I my brother's keeper?" before being marked for his sin of committing the first murder. For 10 points, name this son of Adam and Eve who killed his brother Abel.
ANSWER: **Cain**

5. This technique is performed in tandem for protein sequencing. The devices used in this technique use analyzers like magnetic sectors and ion traps to separate particles. In the first step of this technique, analytes undergo ionization processes like ESI and MALDI. Unlike those "soft" ionization methods, "hard" methods bombard the samples with electrons to cause fragmentation in this technique. In this technique, compounds containing chlorine and bromine show sizeable M+2 ["M plus 2"] isotope peaks. This technique measures the ratio of its namesake property to charge. For 10 points, name this form of spectrometry which separates fragments based on heaviness.
    ANSWER: **mass spec**trometry [or **mass spec**troscopy; or **MS**]

6. This man replaced the aureus coin with the solidus to suppress inflation. After having his wife killed in a hot bath, this man attempted to erase all records of that wife, Fausta, from existence. This man briefly allied with Licinius before defeating him at the battles of Hellespont and Chrysopolis. Before another battle, this man had a vision which convinced him to place a chi-rho symbol on his soldiers' shields. He defeated Maxentius at the Battle of Milvian Bridge and put the Edict of Milan into law, legalizing a religion he had earlier converted to. For 10 points, name this first Christian Emperor of Rome.
    ANSWER: **Constantine I** [or **Constantine the Great**, prompt on **Constantine**]

7. This architect collaborated with Claes Oldenberg to design the Binoculars Building. Another structure designed by this architect now houses the Grant Park Orchestra. A monorail runs through a building that this architect designed for Microsoft co-founder Paul Allen. This architect designed the Experience Music Project in Seattle and the Pritzker Pavilion in Chicago. One of his buildings sits along the Nervion River and, like a live music venue he designed in Los Angeles, is surrounded by curved metallic sheets. For 10 points, name this Canadian-American architect who designed the Guggenheim Bilbao and the Walt Disney Concert Hall.
    ANSWER: Frank **Gehry**

8. The "ping-pong" mechanism is used to explain the mechanism of some of these molecules. Lineweaver-Burk plots are used to find K_m ["k-sub-m"] and V_{max} ["v-max"] which are constants that characterize these molecules. Those plots model these molecules using Michaelis-Menten kinetics and can distinguish whether inhibitors of these molecules are non-competitively acting at allosteric sites. These molecules are thought to bind to their targets via the "induced fit" mechanism. These molecules generally have names ending with "-ase" ["ace"] and act upon a specific substrate at their active sites. For 10 points, name these proteins that serve as biological catalysts.
    ANSWER: **enzyme**s [prompt on "proteins"; prompt on "catalysts" before mention]

9. The geographical feature from which this city derives its name has a 103-foot LED cross on its top. In this city, Moshe Safdie built a distinctly blocky, modular concrete housing complex known as Habitat 67 for the 1967 World's Fair. This city is home to the tallest inclined tower in the world, which extends at a 45 degree angle over a stadium built for the 1976 Summer Olympics. Street directions in this city are skewed because they are given in reference to the Saint Lawrence River, which, along with the Ottawa River, borders an island named for this city. For 10 points, name this most populous city in Quebec.
    ANSWER: **Montreal** [prompt on **Mount Royal**]

10. In this play, a character leaves cards marked with black Xs in a friend's mailbox. One character distracts another by dancing the Tarantella in this work, in which a character suffering from tuberculosis of the spine admits his love for the protagonist. Kristine Linde's care for her mother is contrasted with the attitude of this work's protagonist towards her father. A bank worker's illness necessitates a trip to Italy in this work, which opens on Christmas Eve. This play ends with its protagonist slamming a door on her children and husband Torvald. This play centers on Krogstad's blackmail of Nora Helmer. For 10 points, name this play by Henrik Ibsen.
ANSWER: A **_Doll's House_** [or Et **_Dukkehjem_**]

11. This composer paid tribute to the waltz in a piece that opens with a section marked "Mouvement de Valse viennoise." He is not Ludwig van Beethoven, but an Adagio assai second movement in the form of a waltz is part of this composer's Piano Concerto in G major. This composer intended to out-do the difficulty of Mily Balakirev's *Islamey* with the "Scarbo" movement of his *Gaspard de la Nuit* ["gah-SPAR duh lah NWEE"]. This composer of *La Valse* was inspired by Spanish music to write pieces such as *Pavane for a Dead Princess* and one in which two melodies are repeated over a constant two-bar rhythm played by the snare drum. For 10 points, name this French composer of *Boléro*.
ANSWER: Maurice **Ravel** [or Joseph Maurice **Ravel**]

12. This poet described books as "altars where we kneel/ to consecrate the flicker, not the flame" in a poem dedicated to George Crabbe. Another of his poems mentions a location where "the vines cling crimson on the wall" and describes "the twilight wait for what will come." One of his characters "eyed a khaki suit with loathing," "loved the Medici," and is a "child of scorn." This poet, who advised "go to the western gate" in "Luke Havergal," wrote about "a gentleman from sole to crown" who "one calm summer night/ went home and put a bullet in his head." For 10 points, name this American poet of "Miniver Cheevy" and "Richard Cory."
ANSWER: Edwin Arlington **Robinson**

13. In an episode of *Family Guy,* this character meets Brian and Stewie in an abandoned parking garage, a-la "Deep Throat" in the Watergate scandal. This character sings "have you been half asleep/ or have you heard voices/ I've heard them calling my name" in a song that asks "what's so amazing/ that keeps us stargazing?" Doc Hopper tries to make him a restaurant mascot in a film where he travels cross-country to make it big in Hollywood from his home in a Florida swamp. He asks "why are there so many songs about rainbows" in his trademark song, "Rainbow Connection." For 10 points, name this Muppet who was romantically involved with Miss Piggy.
ANSWER: **Kermit** the Frog

14. This man's close relationship with the younger Arnold van Keppel led to rumors of an affair that this man hotly denied. A mob of this man's followers lynched Johan and Cornelis de Witt, who may have been plotting against him. This man's army failed in an attempt to siege Limerick, and he had earlier made a successful landing at Brixham. This victor of the Battle of the Boyne and enemy of the Jacobites oversaw the passing of his county's Bill of Rights. James II was deposed in favor of this Dutch stadtholder in the Glorious Revolution. For 10 points, name this King of England who ruled alongside his wife, Mary II.
ANSWER: **William of Orange** [or **William III**; prompt on **William**]

15. The partial derivative of the Lagrangian with respect to the time derivative of a generalized coordinate gives a generalized version of this quantity. This quantity's quantum mechanical operator is h-bar over i times del. This quantity is typically plotted with position in phase space since it is conjugate to position. Unlike kinetic energy, this quantity is conserved in inelastic collisions. Newton's second law more formally states that force is equal to the time derivative of this quantity. The change in this quantity is known as impulse. For 10 points, name this quantity, commonly symbolized p, which is equal to the product of mass and velocity.
ANSWER: linear **momentum** [do not accept "angular momentum"]

16. Paul Benacerraf argued against a certain stance regarding the philosophy of this subject using an argument resting on causation. A theory of this field that grounds this subject entirely in thought is the "intuitionism" of L.E.J Brouwer. The claim that it is unlikely that scientific theories could be expressed without this field is the Quine-Putnam indispensability thesis. The Platonist view of this subject argues it is a descriptive science, and was defended by Kurt Gödel. A paradox about sets that do not contain themselves inspired a work on the foundations of this field. For 10 points, name this field that Russell and Whitehead tried to establish a logical ground for in their *Principia*.
ANSWER: **math**ematics [or *Principia **Math**ematica*; prompt on "science"]

17. The "dark" form of this phenomenon is a source of noise in image sensors. The partial derivative of voltage with respect to time is equal to the negative of cable inductance times the partial derivative of this quantity according to the telegrapher's equations. Maxwell introduced a term symbolized J to Ampere's law to account for this quantity's displacement form. The magnetic field created by this quantity is described by the Biot-Savart law. Power is equal to the square of this quantity times resistance. In Ohmic materials, this quantity is equal to voltage divided by resistance. For 10 points, name this quantity which measures the flow of electric charge, measured in amperes.
ANSWER: **current**

18. **T**he computationally challenging "discrete" form of this function is used in many cryptographic tools. As N grows to infinity, the number of digits needed to represent N experiences a type of growth named after this function. This function of "1 plus X" yields the Mercator series, which becomes the alternating harmonic series at "x equals one". The derivative of one form of this function equals "1 over x", and use of this function was first promoted by John Napier. This function is the inverse of exponentiation. For 10 points, name this function whose "natural" version has a base of e.
ANSWER: **log**arithm [accept any type of **log**arithm such as **base 10 log**arithm or **natural log**arithm; accept **ln**]

19. This country kidnapped and imprisoned a nuclear scientist who gave information about its nuclear program to the *Sunday Times*. In Operation Opera, this nation destroyed the Osirak nuclear reactor. Hitmen acting on behalf of this nation killed a Moroccan waiter they mistook for Ali Hassan Salameh in the Lillehammer incident. Even though it was officially neutral, this country had scud missiles launched at it by Iraq during the First Gulf War. This country initiated Operation Wrath of God to hunt down members of Black September after eleven of its athletes were killed at the 1972 Munich Olympics. For 10 points, name this country whose secret service is the Mossad.
ANSWER: **Israel** [or State of **Israel**]

20. This hero witnesses the omen of a thunderclap followed by a shooting star, which takes place after his son's head miraculously catches fire. This man is shown a gate of horn through which true visions pass, which contrasts with an ivory gate filled with false dreams. Upon seeing that the youth Pallas's belt is being worn as a trophy, this hero kills Turnus. The Cumaean ["kew-MAY-un"] Sibyl instructs this hero to pluck a golden bough to gain entrance to the underworld. Soon after escaping a burning Troy with his son Ascanius and his father Anchises, this hero lands at Carthage and falls in love with Dido. For 10 points, name this title character of an epic poem by Virgil.
ANSWER: **Aeneas**

Extra

In a novel by this author, the narrator compares his difficulty in relating the story to his inability to perform in bed. In that novel, whose title is taken from a Constantine Cavafy poem, Colonel Joll leads the Third Bureau against the title people. In another of this author's novels, the protagonist believes that he has "solved the problem of sex rather well" through sleeping with the prostitute Soraya. That protagonist of this author's novel is an English professor who is fired from his job after his affair with his student Melanie Isaacs is discovered. For 10 points, name this creator of David Lurie, the South African author of *Waiting for the Barbarians* and *Disgrace*.
ANSWER: John Maxwell **Coetzee**

One commander at this battle ordered the execution of their prisoners but spared higher ranking captives like Jean le Maingre and Charles of Orleans. That commander at this battle had his crown pilfered during a small assault on his army's baggage train. Cavalry charges were prevented by fortifications made with pointed stakes and earlier rains caused the Charles d'Albret-led army to become fatigued as they marched through knee-deep mud during this battle, which took place on St. Crispin's Day. For ten points, name this 1415 victory for Henry V during the Hundred Years' War in which the larger French army was mowed down by the English longbows.
ANSWER: Battle of **Agincourt**

Bonuses

1. Answer the following about the Python programming language, for 10 points each.
[10] This loop, which is similar to the "for" loop, executes a block of code as long as the given condition is true. Improper use of these control flow statements often cause infinite loops.
ANSWER: **while** loop [or do-**while** loop]
[10] In Python, strings are arrays of these data types, which are encoded in ASCII. They include letters, numbers, and special "control" varieties like NULL.
ANSWER: **character**s [or **char**s]
[10] Python can be described as this type of language because its code use lots of abstraction to hide machine level instructions. Code in languages described by this term tends to be highly human-readable.
ANSWER: **high-level** programming language

2. This character exclaims "Not bloody likely!" while trying to act like a duchess at a gathering with the Eynsford Hills. For 10 points each:
[10] Name this character who has a cockney accent and who is trained to speak like an upper-class lady in *Pygmalion*.
ANSWER: **Eliza** **Doolittle** [accept either]
[10] This Irish playwright wrote *Pygmalion*, as well as *Major Barbara*.
ANSWER: George Bernard **Shaw**
[10] In *Major Barbara*, Barbara is appalled that the Salvation Army accepts a large donation from this character's munitions factory. This character is Barbara's estranged father.
ANSWER: **Andrew** **Undershaft** [accept either]

3. This conflict was triggered by Leopoldo Galtieri's occupation of a British overseas territory. For 10 points each:
[10] Name this 1982 conflict. The Battle of Goose Green took place during this war which ended when the British retook the city of Stanley.
ANSWER: **Falklands** War [or **Falkland** Islands War; or Guerra de las **Malvinas**]
[10] This "Iron Lady" was the Prime Minister of Britain during the Falkland War.
ANSWER: Margaret **Thatcher** [or Margaret Hilda **Thatcher**; or Margaret Hilda **Roberts**]
[10] A major victory for Thatcher came when she negotiated for the end of a 1984 strike of workers in this industry. This industry's union was led at the time by Arthur Scargill.
ANSWER: coal **mining** [accept word forms like coal **miner**s; accept **National Union of Mineworker**s; prompt on "coal"]

4. This compound can be produced via the Monsanto process or the Cativa process. For 10 points each:
[10] Name this carboxylic acid found in vinegar. It has formula HC2H3O2.
ANSWER: **acetic** acid [or **ethanoic** acid]
[10] Both the Monsanto process and the Cativa process make acetic acid from methanol and this other compound. A mixture of this compound with hydrogen is called water gas.
ANSWER: **carbon monoxide** [or **CO**]
[10] Carboxylic acids like acetic acid tend to exist as dimers in solution due to this sort of interaction between hydroxyl and carbonyl groups of a carboxyl.
ANSWER: **hydrogen bond**ing [or **hydrogen bond**s; prompt on "h-bonds"]

5. This book describes a set of four "antinomies" by which metaphysics can lead to contradictions. For 10 points each:
    [10] Name this philosophical text that attempts to answer the question of how synthetic *a priori* judgments can be possible. It is the first of a set of three similarly titled works.
    ANSWER: *Critique of Pure Reason* [or *Kritik der reinen Vernunft*]
    [10] The author of *Critique of Pure Reason* described this moral principle stating that one should act according to maxims that could become universal laws. For example, lying could not be moral according to this principle.
    ANSWER: **categorical imperative** [or **kategorischer Imperativ**]
    [10] This philosopher described the categorical imperative and wrote the *Critique of Pure Reason*.
    ANSWER: Immanuel **Kant**

6. Answer the following about kooky Latin American dictators, for 10 points each.
    [10] This Mexican president had a wooden leg and failed to suppress the Texan Revolution. He was removed from office after losing the Mexican-American War.
    ANSWER: Antonio Lopez de **Santa Anna** [or **Santa Anna**; or Lopez de **Santa Anna**]
    [10] Noted drug-trafficker Manuel Noriega was deposed as this country's dictator after it was invaded by the United States in 1989. Jimmy Carter gave it control of a structure in a treaty signed with Omar Torrijos.
    ANSWER: **Panama** [or Republic of **Panama**; accept the **Panama Canal**]
    [10] This Paraguayan dictator ordered his mother whipped for revealing that he was a bastard, and wasted his country's money on gifts for his Irish prostitute wife Eliza Lynch. His armies lost the War of the Triple Alliance.
    ANSWER: Francisco **Solano Lopez** [or Francisco **Solano Lopez** Carrillo; prompt on just "Lopez"]

7. This composer's *Raindrop* Prelude is nicknamed for the repetitive A-flats played by the left hand. For 10 points each:
    [10] Name this composer of *Fantasie-Impromptu*, whose Piano Sonata No. 2 in B-flat minor includes a third-movement funeral march.
    ANSWER: Frédéric **Chopin** [or Frédéric François **Chopin**; or Fryderyk Franciszek **Chopin**]
    [10] Chopin's music in this genre of study pieces include the *Revolutionary* one in C minor which was inspired by the 1830 November Uprising in Warsaw.
    ANSWER: **étude** [pronounced "ey-tood"]
    [10] An étude in D-sharp minor is the final piece in this composer's Op. 8. Late in life, he wrote increasingly dissonant pieces such as *Prometheus: The Poem of Fire* and *The Poem of Ecstasy*.
    ANSWER: Alexander **Scriabin** [or Alexander Nikolayevich **Scriabin**]

8. This story opens with Pelayo throwing crabs back into the sea to protect his sick child from the odor. For 10 points each:
    [10] Name this story, in which a "flesh-and-blood angel" is paraded around as a circus attraction before finally flying away.
    ANSWER: "A **Very Old Man With Enormous Wings**" [or "Un **señor muy viejo con unas alas enormes**"]
    [10] This author of "A Very Old Man With Enormous Wings" also wrote the story "Leaf Storm", which takes place in the town of Macondo.
    ANSWER: Gabriel **Garcia Marquez**
    [10] Gabriel Garcia Marquez is perhaps best known for this work, which centers around generations of the Buendía family living in Macondo.
    ANSWER: *One Hundred Years of Solitude* [or *Cien Años de Soledad*]

9. After his father Cian ["keen"] is brutally murdered, this god assigns the three sons of Tuireann ["TOO-run"] a set of impossible tasks that end in their deaths. For 10 points each:
[10] Name this leader of the Tuatha De Danaan ["TOO-hah day DAH-nahn"] who uses a sling to kill the one-eyed giant Balor in a battle against the Fomorians.
ANSWER: **Lugh** [pronounced "loo"; or **Lug**; or **Lugh Lamfhada** ["loo" LAH-wah-dah]; or **Lugh of the Long Arm**]
[10] This mortal son of Lugh is forced to kill his best friend Ferdiad while defending his homeland from Queen Medb's ["mayv's"] attempts to steal the prize bull Donn Cuailnge ["don" COOL-nyah].
ANSWER: **Cú Chulainn** [or **Sétanta**]
[10] Cú Chulainn appears in the Ulster Cycle of this modern-day country's mythology, which was largely supplanted by Catholicism upon the arrival of Saint Patrick.
ANSWER: **Ireland** [or **Éire**]

10. For an object on a ramp, this force is proportional to the cosine of the angle of the ramp. For 10 points each:
[10] Name this force which commonly balances out gravity and is perpendicular to an object.
ANSWER: **normal** force
[10] This force that opposes motion is equal to the normal force times a namesake coefficient represented as "mu".
ANSWER: **friction**
[10] To calculated the coefficient of static friction, one can place a block on a surface, then raise the surface until the block begins to slip. The coefficient of static friction is equal to this function of the angle of repose.
ANSWER: **tan**gent

11. In a novel by this author, a character owns a dog whose name changes from Pilot to Faithful to Constant after the Iberian Peninsula breaks off and floats into the Atlantic. For 10 points each:
[10] Name this author of *The Stone Raft* who describes the rapid spread of the title ailment through an unnamed city in which the central characters are quarantined by the military in the novel *Blindness*.
ANSWER: José **Saramago** [or José de Sousa **Saramago**]
[10] José Saramago is from this Iberian country. Another author from this country was Fernando Pessoa, who wrote under many pseudonyms like Ricardo Reis.
ANSWER: **Portugal** [*or* **Portuguese Republic**]
[10] Luís de Camões wrote this Portuguese national epic that is narrated by Vasco da Gama.
ANSWER: *The **Lusiads*** [or *Os **Lusíadas***]

12. This man violated the Proclamation of 1763 when he blazed the Wilderness Road through the Cumberland Gap. For 10 points each:
[10] Name this American woodsman best known for exploring and organizing the settlement of modern-day Kentucky.
ANSWER: Daniel **Boone**
[10] Boone drove a wagon in General Edward Braddock's army during this war, which was fought between the British and French colonies. It was the North American theater of the Seven Years War.
ANSWER: **French and Indian** War [do not accept or prompt on "Seven Years War"]
[10] During the American Revolution, Boone aided this patriot general in his campaigns against the Indians of the Northwest Territory. He captured the forts of Kaskaskia and Vincennes, and later became a notorious drunk.
ANSWER: George **Clark** [or George Rogers **Clark**]

13. Answer the following about how the free market works, for 10 points each.
[10] Adam Smith coined this two-word term as a metaphor for how the free market regulates itself by guiding individual actors towards a common goal.
ANSWER: the **invisible hand**
[10] This term describes outcomes of an economic transaction that affect parties not involved in the transaction. Examples include pollution and public education.
ANSWER: **externalities** [accept **positive externalities** or **negative externalities**]
[10] This economist's namesake theorem states that if transaction costs are low enough, externalities will be resolved efficiently through private transactions.
ANSWER: Ronald **Coase**

14. This painting was originally titled *A Fair Wind*, and it is one of its artist's many nautically themed paintings. For 10 points each:
[10] Name this painting that shows a father sailing with his three boys in a boat named the Gloucester.
ANSWER: *Breezing Up*: *A Fair Wind*
[10] This artist of *Breezing Up* also painted *Snap the Whip* and showed a lone black sailor surrounded by sharks in *The Gulf Stream*.
ANSWER: Winslow **Homer**
[10] Homer often painted in this medium, which can be used in "wet-on-dry" or "wet-on-wet" variants. The opacity of this medium is increased in Gouache paintings.
ANSWER: **watercolor**

15. Larvae of these organisms can enter the Dauer stage during their development to evade stress. For 10 points each:
[10] Name this nematode whose use as a model organism was pushed by Sydney Brenner.
ANSWER: *C. elegans* [or *Caenorhabditis elegans*]
[10] Fire and Mello used the *C. elegans* model to describe this process during which Dicer interacts with Argonaute to suppress the expression of gene transcripts.
ANSWER: **RNAi** [pronounced "R-N-A-i"; accept **RNA interference**]
[10] Of the 1090 cells generated in *C. elegans* development, 131 undergo this process of "programmed cell death."
ANSWER: **apoptosis**

16. Answer the following about lake-dwelling monsters, for 10 points each.
[10] This most famous water monster is said to reside in a lake in the Scottish Highlands.
ANSWER: the **Loch Ness** monster [or **Nessie**]
[10] A North American analog to the Loch Ness monster named "Champy" supposedly lives in this lake. The Battle of Plattsburgh occurred in this lake during the War of 1812.
ANSWER: Lake **Champlain**
[10] The best known "photograph" of the Loch Ness monster is this one, which was taken in 1934 by Kenneth Wilson. This hoax photograph got its name due to Wilson's job as a physician.
ANSWER: the "**Surgeon's** Photograph"

17. This structure includes a venerated "black stone" that pilgrims kiss. For 10 points each:
[10] Name this cubic granite structure that is covered with a silk curtain. Pilgrims circum·ambulate this holiest site in Islam counterclockwise seven times. .
ANSWER: **Kaaba**
[10] The Kaaba is located in this city, from which Muhammad fled to Medina during the *hijra*. Muslims travel to this city during the *hajj*.
ANSWER: **Mecca** [or **Makkah**]
[10] Muslims pray facing the direction of the Kaaba, which has this name. Mosques have niches called *mihrab* that indicate this direction.
ANSWER: **qibla**

18. This man's ashes were buried underneath a structure that stands in the Forum named after him, and his "market" was essentially an ancient shopping mall. For 10 points each:
[10] Name this Roman emperor who also enacted the *Alimenta* program to provide schooling and food for orphaned and poor children. During his reign, the Roman Empire's borders reached their maximum size.
ANSWER: **Trajan** [or Marcus Ulpius **Traianus**]
[10] Trajan was the second member of this group of rulers. During their reign, Rome underwent a period of relative peace and prosperity.
ANSWER: **Five Good Emperors**
[10] Trajan's Column depicts victories over this kingdom, which occupied mostly what is now Romania. Their leader, Decebalus, committed suicide after losing its capital in a siege.
ANSWER: **Dacia**

19. A short story by this author ends with a dog abandoning his master to die of hypothermia in the Yukon. For 10 points each:
[10] Name this author of "To Build a Fire." The Yukon is also the setting of his novel *White Fang*.
ANSWER: Jack **London** [or John Griffith **London**]
[10] In this novel, Jack London's most famous, an ordinary dog named Buck is kidnapped and taken to the Yukon. There, he befriends John Thornton before deciding to live in the wilderness.
ANSWER: The ***Call of the Wild***
[10] In this other Jack London novel, the weakling Humphrey van Weyden slowly develops a rivalry with the title character, an amoral captain who rescued him from a shipwreck.
ANSWER: The ***Sea-Wolf***

20. One cast of this artist's *Draped Seated Woman* is on display at Yale. For 10 points each:
[10] Name this British artist who was inspired by the Mayan Chac Mool statues to create the *Reclining Figures* series.
ANSWER: Henry **Moore**
[10] Moore worked extensively with this alloy of copper and tin. Etienne Falconet's equestrian statue of Peter the Great is made of and is named for this material.
ANSWER: **bronze** [accept The ***Bronze Horseman***]
[10] This Italian-Swiss sculptor made many depictions of elongated figures in his bronze *Walking Man* series.
ANSWER: Alberto **Giacometti**

Extra

The chorus of this play appears when the protagonist is crossing the river Styx. For 10 points each:
[10] Name this play in which Dionysus goes to the Underworld to bring back Euripides, but ends up bring back Aeschylus instead. The title chorus sings the refrain "Brekekekex koax koax."
ANSWER: The __Frogs__ [or __Batrachoi__]
[10] In this play by the same author, Bdelycleon ["deli-clee-on"] is the son of the law court-loving Philocleon, who at the beginning of the play is locked up in a house covered with a net.
ANSWER: The __Wasps__ [or __Sphekes__]
[10] This Athenian playwright wrote The Frogs and Lysistrata.
ANSWER: __Aristophanes__