1. Interdisciplinary
Some people think it may have been Thera, which is now better known as Santorini. Described by Critias, it started with five sets of twins descended from Poseidon, and its design included a series of concentric circles. Most people believe that it was used to describe the nature of man and is just the product of Plato’s imagination. Two thousand years later, Francis Bacon wrote about a new one. Name this island that was destroyed over ten thousand years ago.

ANSWER: Atlantis

2. Pyramidal Math (30 Seconds)
This is the positive eigenvalue of the two by two matrix whose top row has zero nine and whose bottom row has four zero. It also is equal to the number of vertices of an octahedron, and it is equal to the fourth root of one thousand two hundred ninety-six. Give this number equal to the common log of one million.

ANSWER: 6

3. World Literature
His best-known play revolves around a person being mistaken for an undercover government worker. His best-known short story is about a clerk who becomes obsessed with buying a new piece of clothing. His best-known novel is about somebody who buys the registrations of dead serfs. Name this 19th Century Russian author of The Inspector-General, The Overcoat, and Dead Souls.

ANSWER: (Nikolai) Gogol

4. Current Events
Near the end of her career in Gadsden, Alabama, somebody left an anonymous note in her mailbox that led her to file a lawsuit. Nine years later, the Supreme Court ruled five to four against her, deciding that she had filed her suit about twenty years after the statute of limitations had run out. A bill named after her was introduced in the US Senate, but forty-two Senators voted to filibuster it. Name this woman who sued Goodyear because she did not receive as much pay as her male counterparts.

ANSWER: (Lilly) Ledbetter
5. Biology
This common two-word phrase is used to name two different families, one of which is the Tephritidae. These animals tend to have short lives, have a liquid diet in adulthood, and breed within living plants. A particular species of the other family has been very important in biological research thanks in part to their ability to produce a lot of eggs and to their salivary glands, which have large chromosomes. This other family is Drosophilidae. Name these animals that show up when you let a banana sit around too long.

ANSWER: Fruit Fly (or Fruit Flies)

6. Music
(Note to moderator: Pianissimo is pronounced Pee-an-NEE-see-mo, Bergamasque is BER-ga-mask, and Debussy is de-BYOO-see.) The third movement in a four-movement work, it is played in D Flat Major until the end, which is in E Major. Usually performed on piano, it begins with the left hand playing an A Flat and C Flat, and most of the piece is played pianissimo. Part of Suite Bergamasque, it was composed by Claude Debussy. Name this work whose title means Moonlight.

ANSWER: Clair de Lune (prompt Moonlight)

7. United States History
He often had visions, and he claimed his actions were inspired in part by an eclipse and a change in the Sun’s color. His famous act started at the Travis household at two o’clock in the morning, when he and his friends killed the entire family. They then did the same thing to many other families. The incident lasted about two days, and a few months later he was hanged and skinned. Name this Virginia slave who died in 1831.

ANSWER: (Nat) Turner (accept Nat)

8. Physics (10 Seconds)
This British scientist lived from 1773 to 1829. His name is combined with LaPlace for a theory on capillary action, with Dupre for a theory on surfaces between solids and liquids, and with Helmholtz for a theory about how we are able to see. He is most famous for holding a narrow card up to a beam of sunlight and observing and explaining the colors and shadows that resulted, supporting the wave theory of light. Name this man associated with double-slit experiments.

ANSWER: (Thomas) Young
9. Vocabulary
When this five-letter word is preceded by the adjective Socratic, it means pretended ignorance. Sometimes referring to a difference between expectations and outcomes, when it is preceded by the adjective dramatic it refers to a situation in which the audience knows something that a character does not. Give this synonym of sarcasm and satire that refers to words used in a way that is the opposite of their meanings.

ANSWER: Irony (do not accept Ironic)

10. Religion/Mythology
While her friends were picking a variety of flowers, she wandered off a little bit to get a narcissus. When she reached down to pick it up, she was taken away by a golden chariot carried by black horses. The man in the chariot took her to his home and fed her pomegranates, becoming her husband. Eventually, a deal was worked out whereby she spent part of the year with her husband and part of the year with her mother. Name this wife of Hades and daughter of Demeter.

ANSWER: Persephone (accept different endings, Proserpine, or Kora)

11. Pop Culture
Based on a Richard Condon novel, it was made into movies in 1962 and 2004. Originally, the queen of diamonds played a major role in the plot, and the original movie starred Angela Lansbury and Frank Sinatra. The recent movie replaced the Korean War with Operation Desert Storm and the Communists with a global conglomerate. It starred Meryl Streep and Denzel Washington. Name these films about a brainwashed politician.

ANSWER: (The) Manchurian Candidate

12. Geometry/Trigonometry (30 Seconds)
Ignore units and give your answer in simple radical form. Find the area of the triangle whose vertices in three-space are at (1,2,4), (3,7,4), and (3,7,10).

ANSWER: 3 Root 29

13. Nonfiction
A teacher and headmistress, her first book was Thoughts on the Education of Daughters, which applied Enlightenment ideas to women. Some of her writings were in response to Edmund Burke, and she also disagreed strongly with Rousseau. Her best known argument was that women are capable of reason and therefore should receive equal status in society. Name this writer of Vindication of the Rights of Women.

ANSWER: (Mary) Wollstonecraft (do not accept Shelley, which was her daughter’s married name)
14. British Literature
This Shakespeare play includes a General who, near the end of the work, praises his son who shared his name and died in battle. In Act Four, the main character is advised to be bloody, bold, and resolute. This work contains Fleance, a character who flees when his father is murdered. The father is murdered after there is a prediction that his descendants will be Kings. The father’s name is Banquo, and the prediction is made by three witches. Name this work sometimes referred to as The Scottish Play.

ANSWER: Macbeth (prompt The Scottish Play)

15. Geography/Earth Science/Astronomy
This white supergiant probably is about one hundred thousand times as luminous as our sun, and it is expected to appear as a supernova within the next million years. Along with Vega and Altair, it forms the Summer Triangle, and it is at the top of the Northern Cross. Name this star whose name is Arabic for tail because it is located at the tail of Cygnus.

ANSWER: Deneb (accept Alpha Cygnus or Alpha Cygni before the end of the question, prompt Alpha Cygnus or Alpha Cygni at the end of the question, do not accept Cygnus)

16. Algebra (30 Seconds)
Joe is driving to Atlanta and wants to know what time he’ll get there. At four o’clock, he sees a sign saying that he is one hundred miles away. At five thirty, he sees a sign saying that he is forty miles away. If he keeps a constant pace, when will he get to Atlanta?

ANSWER: 6:30

17. Art/Archictecture
This term is applied to a movement of music, architecture, and art associated with Antoine Watteau and Francois Boucher. It was characterized by small scales, playfulness, and elaborate decoration. Before being largely replaced by Neoclassicism, it was popular during the middle of the 18th Century. Name this movement that followed Baroque, especially in France.

ANSWER: Rococo (do not accept Baroque)

18. Chemistry
This value is close to zero for Manganese, Rhenium, Nitrogen, Magnesium, and Beryllium. It may be negative for noble gases, though it generally increases as you move right across the periodic table and is very high for Chlorine. Give the two-word phrase for the amount of energy required to remove an extra electron from an atom.

ANSWER: Electron Affinity (prompt Affinity)
19. United States Literature
Among the things described in this book are a tall cup with a special handle, a fence for sheep, and a large passageway called The Ladder. The characters include a philosopher named Augustine Castle, a leader named TE Frazier, and a psychology professor named Burris. The novel describes their time at a planned community which takes advantage of the ideas of behaviorism. Name this novel written by BF Skinner that, despite its title, is not a sequel.

ANSWER: Walden Two

20. World History
He placed John Zapolya in charge of Hungary and attempted to invade Vienna, threatening that he would destroy the city to the point where nobody would ever be able to find a trace of it. Due to heavy rains and intelligence given to Vienna by a deserter, his efforts failed in 1529. This man was successful, however, in conquering Belgrade, parts of Greece, and North Africa. He also reformed his nation’s legal system, making it fairer to Christians and Jews, and he gave a lot of support to Protestant nations in an effort to weaken the Catholic Church. Name the longest reigning sultan of the Ottoman Empire.

ANSWER: (Sultan) Suleiman (the Magnificent or the Lawgiver or Kanuni)

Tiebreakers:
If you need to replace a question, take the corresponding question from the Replacement Packet rather than one of these questions. In case of a tie, use these questions in order until one is answered correctly.

He turned a play by Else Bernstein-Porges into a melodrama and then an opera. The work, about a princess under a spell who is saved by walking through a gate, is called Königskinder, or The King’s Children. He is better known for an opera first performed in 1893 that contains the refrain Rallalala. Based on a tale from the Brothers Grimm, it includes a Sleep Fairy and a Dew Fairy. Name this German composer of Hansel and Gretel.

ANSWER: (Engelbert) Humperdinck

In this novel, the main female character is tortured into falsely confessing that she is a witch and a murderer, even though her supposed victim is actually still alive. Right before she is about to be hanged, she is rescued by a man she had once given water to when nobody else would. This novel was completed in 1831 and set in 1482. In the English version, the title character is elected the Pope of Fools for being the ugliest man in Paris. Name this novel featuring Claude Frollo, Esmerelda, and Quasimodo written by Victor Hugo.

ANSWER: (The) Hunchback of Notre Dame (or Notre-Dame de Paris)
This country borders France, Germany, Luxembourg, and The Netherlands. Name this country whose capital is Brussels.

ANSWER: Belgium