

Greenfield Tournament Bonus Round 7

1. (25 points) Answer these question about Spanish history, for 5 points each.

1. These monarchs helped unify Spain through their 1469 marriage, and are well known for funding explorers. Name them, for 5 points each.

Answer: Ferdinand V and Isabella II

2. It was a quasi-ecclesiastical tribunal established in 1478 to examine converted Jews and Muslims and punish those who were insincere. Name it, for 5 points.

Answer: Inquisition

3. It was defeated in 1588 by a combination of the English fleet and stormy seas. For 5 points, name it.

Answer: Spanish Armada or Grand Armada

4. Settled by the Peace of Utrecht in 1714, it allowed Philip V to keep his crown, but cost the nation Gibraltar. For 5 points, name this conflict.

Answer: War of the Spanish Succession

2. For ten points each, give the volumes of the following solids: (Note: Do not approximate Pi)

1) A circular cylinder of radius 4 and height of 5?

Answer: 80π

2) A prism whose altitude is 5 and whose faces are isosceles triangles with sides measuring 5, 5 and 8?

Answer: 60

3) A right circular cone of radius 10 and altitude 9?

Answer: 300π

3. (25 points) Identify the authors of the following Pulitzer Prize Winning Novels for 5 points each.

1. The Confessions of Nat Turner

Answer: William Styron

2. The Fixer

Answer: Bernard Malamud

3. A Fable

Answer: William Faulkner

4. The Bridge of San Luis Rey

Answer: Thornton Wilder

5. The Magnificent Ambersons

Answer: Booth Tarkington

4. Identify this musician, 25-10:

1) His recent work includes the Liverpool Oratorio.

2) His earlier compositions include Jet, Live and Let Die, and Hey Jude.

Answer: Paul McCartney

5. Identify these child psychologists for a stated number of points:

1) For ten points, name the American pediatrician whose book The Common Sense Book of Baby and Child Care sparked a revolution in child rearing.

Answer: Benjamin Spock

2) For fifteen points name the Swiss child psychologist who theorized that mental growth occurs in four stages: the sensorimotor period, the preoperational period, the concrete operational period, and the formal operational period.

Answer: Jean Piaget

6. (30 points) For 10 points each, identify these figures from President Franklin Roosevelt's cabinet.

1. FDR's only Secretary of Labor, she was the first woman to serve in the cabinet.

Answer: Frances Perkins

2. He served 11 years as Secretary of State and won the Nobel Peace Prize in 1945.

Answer: Cordell Hull

3. He served as Secretary of War from 1940-45.

Answer: Henry Stimson

7. (30 points) For 10 points each identify these European seas.

1. Famous for its islands, it lies between Greece and Turkey.

Answer: Aegean Sea

2. It separates Italy from strife-torn Yugoslavia and Albania.

Answer: Adriatic Sea

3. It lies to the south and east of Sweden.

Answer: Baltic Sea

8. (25 points) On November 4 Congress failed to pass a huge banking reform bill by a huge margin. Answer the following questions about the failed bill.
- (5 points) Name the current Secretary of the Treasury who vowed that the White House won't give up on reforms.
Answer: Nicholas Brady
 - (10 points) Name this House Majority Leader who was one of only 89 House members to support the bill.
Answer: Richard Gephardt
 - (10 points) The allotment of a \$70 billion loan to a troubled Federal agency helped to defeat the bill. What is this agency expected to need new funds soon anyway.
Answer: FDIC or Federal Deposit Insurance Corporation
9. (30 points) Identify the following creatures or items in Norse mythology for 10 points each.
- The god Heimdall guarded the rainbow bridge to Asgaard. What is the alternate given to this bridge in Norse mythology?
Answer: Bifrost
 - Mjollnir is the name given to what enchanted weapon?
Answer: Thor's hammer
 - What Norse god rode the eight-legged beast Sleipnir?
Answer: Odin
10. (30 points) For 10 points each, identify the constellation in which you would find the following stars.
- Rigel
Answer: Orion
 - Arcturus
Answer: Bootes
 - Regulus
Answer: Leo
11. (25 points) 25-10 Identify this musical work.
- It was first performed in Dublin in 1742, was written in 23 days, and is one of the most enduringly popular compositions to English words.
 - It is an oratorio by composer Georg Frederic Handel.
Answer: The Messiah
12. (30 points) Name this American state after the first clue for 30 points, after the second clue for 20, or after the third for 10.
- Samuel Slater founded America's first textile mill here in 1790.
 - In colonial days, its largest city was Newport.
 - Its capital is Providence.
Answer: Rhode Island
13. (30 points) 30-20-10 Identify this American author.
- In his essay "Friendship" he stated "The only reward of virtue is virtuel the only way to have a friend is to be one".
 - In his "Concord Hymn" he popularized the phrase "the shot heard round the world".
 - A leading transcendentalist he is noted for his Harvard address "The American Scholar".
Answer: Ralph Waldo Emerson
14. (30 points) For 10 points each, name the following New World explorers.
- In 1682 he paddled down the Mississippi River to its mouth, claiming Louisiana for France.
Answer: La Salle
 - In 1497 he became the first man to explore the New World for England.
Answer: John Cabot
 - This Spaniard led the first European expedition to see the Mississippi River.
Answer: Hernando de Soto
15. Identify the following laws of genetics for fifteen points each:
- 1) Also known as Mendel's Second Law, it asserts that when alleles are distributed to gametes, the distribution of one pair of chromosomes has no effect upon that of other pairs.

Answer: The Law of Independent Assortment

2) Also known as Mendel's First Law, it asserts that the two members of any pair of allelomorphs possessed by a single individual are separated into two different gametes.

Answer: The law of Segregation

16. Name these ENGLISH novels, given brief plot summaries, for fifteen points each:

1) Catherine Earnshaw and the foundling Heathcliff are in love, but circumstances cause Catherine to marry Edgar Linton and Heathcliff to marry Edgar's sister Isabella.

Answer: Wuthering Heights

2) The title heroine is a shy, intense orphan. She becomes a governess and falls in love with Edward Rochester, a violent, moody man with an insane wife.

Answer: Jane Eyre

17. This ancient school of philosophy had a universal appeal--among its most famous representatives were a Roman emperor, Marcus Aurelius, and a crippled slave, Epictetus. Philosopher of this school taught that the duty of man is to accept fate without complaint. Today, the name of this school is frequently applied to persons capable of restraining their emotions. For twenty-five points, name this ancient school of thought, which is usually contrasted with Epicureanism.

Answer: Stoicism

18. (30 points) Pencil and paper ready. Answer the following questions using your knowledge of the behavior of ideal gases for 15 points each. A stands for Avogadro's number which you should also use in any answer where it is necessary.

1. You have 1 mole of oxygen at standard temperature and pressure. For 10 points, in liters, what volume does the gas occupy?

Answer: 22.4 liters

2. If you took 2A atoms of nitrogen and placed them under a pressure of 4 atmospheres at standard temperature, what volume would the gas occupy?

Answer: 5.6 liters (1 moles of N₂ at 4 atm occupies 5.6 l)

19. (30 points) Pencil and paper ready to solve the following physics problems. Get one correct for 10 points, get both for 25. Assume $g=9.8$ meters/second squared. You have 15 seconds per part.

1. You drop a 5 kg mass from a height of 10 meters. What is its kinetic energy halfway to the ground?

Answer: 245 joules

2. What is the velocity of the mass halfway to the ground? Express your answer in terms of a reduced radical if necessary.

Answer: 7 times the square root of 2 (square root of 98)

20. (25 points) For 10 points apiece, name the first 3 colleges founded in the American colonies.

Answer: Harvard, William and Mary, Yale