1. This Native American group had the most complex culture of any of the Eastern Woodland dwellers, and their tribes included the Onondaga, Cayuga, Oneida, Seneca, and Mohawk. For 10 points, identify this Native American confederation that lived in New York and southern Canada.
Ans. <u>Iroquois</u>

1. 20 Points. For 5 points each, answer these questions about Native Americans.
Leave as is.

2. This novel of the early 17th century concerns a hero who is brave, but foolishly seeks to live according to the medieval ideal of chivalry, especially in relations with his love, Dulcinea del Toboso. For 10 points, identify this novel by Miguel de Cervantes.
Ans. <u>Don Quixote</u>

2. 20 Points. For 10 points each, identify these Spanish authors.
a. What Spanish author wrote "Ode to Walt Whitman" and <u>Blood Wedding</u>?
    Ans. Federico <u>Garcia Lorca</u>
b. What author of <u>The Family of Pascual Duarte</u> won the 1989 Nobel Prize for Literature? Ans. Camilo Jose <u>Cela</u>

3. For 10 points, what mathematical property holds that if A bears a relation to B, and B holds the same relation to C, then A bears that same relation to C?
Ans. <u>Transitive</u>

3. 20 Points. For 10 points each, give the derivatives of these trigonometric functions.
a. cosine x^2 Ans. <u>$-2x$sine x^2</u>
b. secant x   Ans. <u>secant x tangent x</u>

4. It was the first opera ever commissioned for television and is set on the first Christmas Eve in a small hut where a crippled boy and an impoverished widow reside. For 10 points, identify this opera by Gian-Carlo Menotti.
Ans. <u>Amahl and the Night Visitors</u>

4. 20 Points. For 10 points each, name the composer of these pairs of operas.
a. <u>Lady MacBeth of Minsk</u> and <u>The Nose</u>
Ans. Dmitri <u>Shostakovich</u>
b. <u>Cinderella</u> and <u>William Tell</u>
Ans. Gioacchino <u>Rossini</u>

5. Isolated by Perrier and Segre in 1937, this element's name comes from the Greek for "artificial." Its most stable isotope has an atomic weight of 99, and its atomic number is 43. For 10 points, identify this element which does not occur in nature.
Ans. <u>Technetium</u>

5. 20 Points. Answer these questions the discovery of transuranium elements for 10 points each.
a. Who developed the cyclotron, the first particle accelerator, and won the

1939 Nobel Prize in Physics.
Ans. Ernest <u>Lawrence</u>
b. What chancellor of the University of California-Berkeley helped discover elements 93 through 102 and shared the 1951 Nobel Prize in Chemistry?
Ans. Glenn <u>Seaborg</u>

6. This British colony consists of some 150 islands, including Somerset, Watford, and Boaz. Self-governing since 1968, its major industry is tourism, and its capital is Hamilton. For 10 points, identify this colony located 600 miles east of Cape Hatteras.
Ans. <u>Bermuda</u>

6. 20 Points. For 10 points each, identify these works in anthropology.
a. <u>Coming of Age in Samoa</u>   Ans. Margaret <u>Mead</u>
b. <u>Patterns of Culture</u>   Ans. Ruth <u>Benedict</u>

7. Pencil and paper ready: For 10 points, what is the volume of a cylinder with height 6 and radius 5?
Ans. <u>150pi</u>

7. Pencil and paper ready. A grandfather has 5 coins and two grandsons. He wants to give the coins to the children one at a time, but can't figure out the order in which he wants to do so. If you have a rudimentary knowledge of permutation theory, you will understand his dilemma. For 20 points, in how many different ways can the grandfather give the coins to his grandsons one at a time?
        Answer: 32

8. Considered one of William Faulkner's masterpieces, this 1930 novel takes place on the way to Jefferson, Mississippi, where a poor farm family is traveling to bury their mother. For 10 points, identify this novel whose main character is Addie Bundren.
Ans. <u>As I Lay Dying</u>

8. fine

9. It lies on the southern side of the Bass Strait and lent its name to two vicious sounding marsupials. For 10 points, identify this island state of Australia.
        Answer: Tasmania

9. For 5 points each, identify the following islands.

10. Darwin believed that is was the most important determining factor in the evolutionary process, but later biologists have included several other factors that are at least as important. For 10 points, what is this two word process that according to the title of Darwin's 1859 work was the means of the Origin of Species.
        Answer: natural selection

10. fine

11. While at UCLA, he studied modern dance with Lester Horton, who became his mentor and along with Katherine Dunham and Martha Graham was a leading influence on his style. For 10 points, identify this founder of the American Dance Theater.
	Answer: Alvin Ailey

11. For 10 points each, identify the following Russian-born ballet dancers.
1. Born in 1890, this Russian dancer was the leading dancer in Diaghilev's Ballet Russe in Paris, where he enjoyed enormous popularity especially in La Spectre de la Rose and Petrushka.
	Answer: Vaslav Nijinski
2.This ballerina joined Diaghilev's company in 1909, Two years later, she left it and formed her own company in London.
	Answer: Anna Pavlova

12. On the death of his father at York in 306 AD he laid claim to a share of the empire and was acknowledged as master of the lands beyond the Alps. He later defeated Maxentius and Licinius to become master of the entire Roman Empire. For 10 points, identify this emperor who issued the Edict of Milan.
	Answer: Constantine (I the Great)

12. For 5 points each, give the answers to the following questions concerning Roman history.

13. Legend has it that he was apprehended by Zeus in the form of an eagle and that his father was compensated for his loss with a pair of divine horses. For 10 points, identify this youth, the most beautiful of all mortals who became the cupbearer to the Greek gods.
	Answer: Ganymede

13. fine

14. Born in Poland in 1904, he immigrated to New York and began his career as a journalist for the Jewish Daily Forward, a Yiddish language periodical in which he published his first stories. For 10 points, identify this author of The Death of Methuselah, The Magician of Lublin, and Enemies: A Love Story, who won the 1978 Nobel Prize in Literature.
	Answer: Isaac Bashevis Singer

14. For 5 points each, give the first winner of the Nobel Prize in the following categories.
1. Literature		Answer: Rene F.A. Sully-Prudhomme
2. Physics		Answer: William Roentgen
3. Medicine and Physiology	Answer: Emil von Behring
4. Chemistry		Answer: Jacobus van't Hoff

15. Under the influence of Giovanni Bellini, this artist produced as series of religious paintings such as "The Fall of Man", "The Entombment", and "The Assumption of the Virgin". For 10 points, identify this 14th and 15th century artist born with the last name Vecellio.
	Answer: Titian

15. For 10 points each, identify the Italian artists who painted the

following.
1. The School of Athens   Answer: Raphael
2. The Tempest   Answer: Giorgione

16. The fossils of them were first found in the 19th century encased in
Jurassic limestone in Solnhofen, Bavaria. They appear to have been about the
size of a crow, but had features characteristic of reptiles. For 10 points,
identify this ancient type of bird, a link in the transition from reptiles to
modern birds.
        Answer: archeopteryx