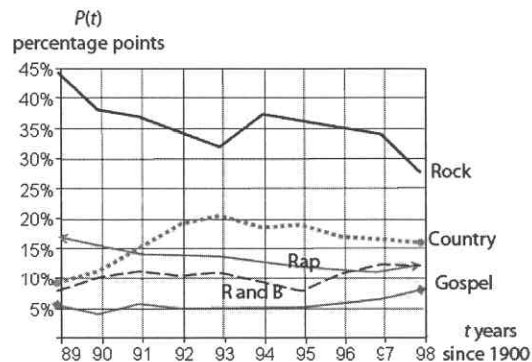


Name: _____
Group Members Present: _____

Grade: _____

_____, _____, & _____

1. The Recording Industry Association of America reported the percentage of music purchases from each of the six current best-selling categories, by year, as shown in the figure.



- a. Describe the input of the functions. _____

- b. Input unit of measure: _____

- c. Describe the output of the functions. _____

- d. Output unit of measure: _____

- e. In what year did country music first outsell rap? _____

- f. What percentage did country and rap each represent at that time? _____

- g. Estimate the percentage of record sales accounted for in 1992 by music types other than those represented in the figure. _____

2. $C(t)$ billion dollars is the value of cumulative capital investment in the cellular phone industry, where t is the number of years after 2000.

- a. Label the input/output diagram for C .

Include units of measure as well as notation.

- c. Write function notation for "In 1990, the cumulative capital investment in the cellular phone industry was \$6.3 billion."

- b. Write a sentence interpreting $C(9) = 285.1$.

