

Do not write your name on the assignment. Write your name only on the back of this sheet of paper and staple your answers on the front of this sheet of paper. Your assignment will be typed, except graphs can be drawn by hand and mathematical equations can be done by hand. Failure to follow these directions will cost you 1 point on the assignment.

1) (5 points each) Briefly explain each answer.

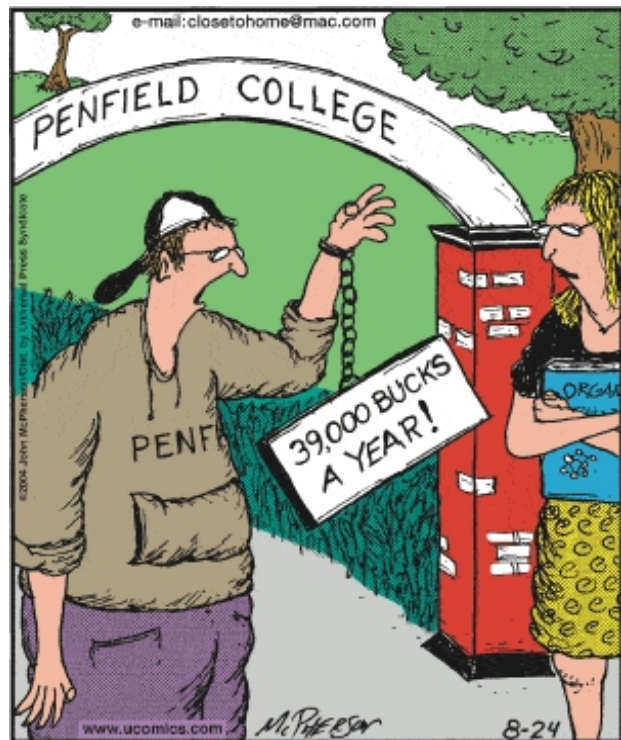
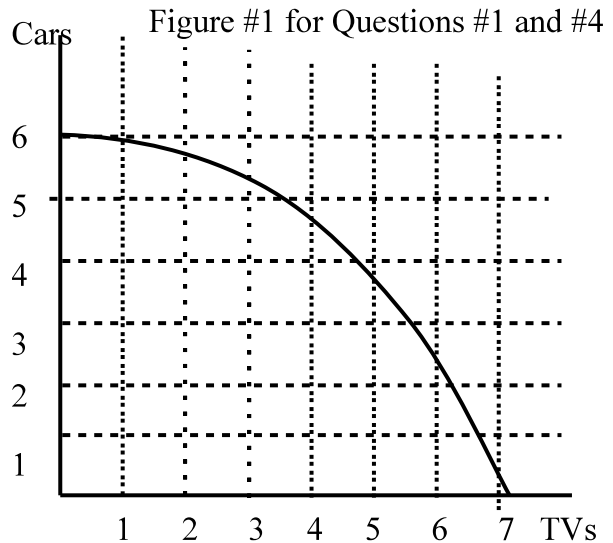
- A) What is the value of Y when X = 3?
- B) What is the approximate slope when X = 6?
- C) What point has a slope of  $-\frac{1}{2}$ ?

2) (25 points each) Illustrate the following events on the PPF (PPC) for pears vs. metal desks. Explain the movement(s) of the curves.

- A) There are more workers.
- B) There is an improvement in fertilizer.

3) (20 points) Assume the \$39,000 in the comic strip by John McPherson is the value of the opportunity costs of a year at Penfield College. If you were his father, what things would you have included in calculating the number? Explain your logic. (More of his comics can be found at <http://www.closetohome.com/>.)

4) (15 points) Given the graph for question #1, how do you see the opportunity costs of televisions? Explain your answer.



"My dad is making me wear this until I get my GPA over 2.2."