

Place your name on the back of this sheet of paper and nowhere else. Staple your answers on the front of this sheet of paper. Failure to follow these directions will cost you 1 point. Your assignment will be typed, except graphs can be drawn by hand and mathematical equations can be done by hand. Failure to type it will cost you 10 points. If you use double-sided printing or print on the back of scrap paper, I will give you one additional point.

The HP 10B and the TI BA II Plus are acceptable in all courses in the Department of Economics and Business. The former is the preferred calculator.

1) (15 points) Which part of my web page, <http://mysite.bethanywv.edu/wcsaplar/> do you think will be most helpful? Why? Is anything missing that you would like to see? What is the URL for the first exam from this class during the last semester it was taught?

2) (15 points) Which part of the Department of Economics and Business's web page, <http://www2.bethanywv.edu/~econ/> do you think will be most helpful? Why? Is anything missing that you would like to see? If you were a sophomore Business major, then what courses does the departmental web page suggest you be taking this semester?

3) **Explain** each answer including a short description of how you reached the conclusion and **show all mathematical work.** You can draw directly on this graph, but type the description of what you did and show all work on that sheet.

A) (10 points) What is the value of bats when there are 6 pens?

B) (15 points) What is the approximate slope when there are 2 pens?

C) (15 points) Next class, we will define the term "opportunity costs." For this graph, the absolute value of the slope is the opportunity costs of a pen. What is the opportunity costs 6 pens?

4) (15 points) On your answer sheet, draw a line through points (1, 3) and (4, 9). Then find the slope of the line. Explain what you did.

5) (15 points) Plot the line  $Y = -\frac{1}{2}X + 4$ . What are the slope, Y-intercept, and X-intercept? Briefly explain how you found each answer.

