

Place your name on the back of this sheet of paper and nowhere else. Staple your answers face up on the front of this sheet of paper. Failure to follow these directions will cost you 1 point. If you use double-sided printing or print on the back of scrap paper, I will give you one additional point.

- 1) (10 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) (10 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) (20 points) Draw a Venn Diagram which has a parent set of all Americans who will vote. Draw four subsets corresponding to registered Democrats, registered Republicans, people who will vote for Obama, and people who will vote for Romney. Given your diagram what percentage of the Democratic voters will vote Romney? Explain your logic. Given your diagram what percentage of Republican voters will vote for Obama. Explain your logic.
- 4) (5 points each) For each of the following equations determine the units, a.k.a. dimension, of λ . Briefly explain your logic.
 - A) $\lambda = \text{the price-earnings ratio.}$
 - B) $\lambda = \text{average total costs} * \text{quantity.}$
 - C) $\lambda = \text{marginal revenue product of labor}$
 - D) $\lambda = \text{GDP}$
- 5) (10 points) Plot $[-3, 5)$ on a number line. Briefly explain what you did.
- 6) (15 points) Plot the point $(4, 3, -2)$. Briefly explain what you did.
- 7) (15 points) Calculate the distance between $(4, 6, -1, 0, -3)$ and $(9, -3, 5, 1, -4)$. Show all work. (Yes, those points are in the fifth dimension.)