## Math 110 Research Activity Due April 15<sup>th</sup> 15 pts possible

## Pick one of the problems

I. Research the concept of the golden mean (also known as the golden section, golden ratio, or the divine proportion) p. 259 #37

- a) Describe the golden section.
- b) What makes it so significant?
- c) Provide at least three pictures that identify where the golden section can be found.
- d) Include a set of measurements from an object at your disposal, which illustrates the golden ratio.
- e) Cite your sources at the end of your report including websites used in your research with the date that you viewed them.
- f) This is to be shared in small groups on April 15<sup>th</sup>

or

II. Research grading on a curve p. 296 #31

- a) Interview a professor at MSUM that grades on a curve, record their reasons for curving the grades.
- b) From your interview, gather the advantages and disadvantages of grading on a curve.
- c) Research how grading on a curve is related to standard deviations from the mean?
- d) What is your opinion on grading on a curve?
- e) Cite your sources at the end of your report including the name of the professor interviewed, and any websites used in your research with the date that you viewed them.
- f) This is to be shared in small groups on April 15<sup>th</sup>