

## Assignment #8-2

## Secondary 3 Honors

**PreCalculus Book:** Pg. 421 1, 6, 10, 11, 14, 16, 38, 40, 42, 59 – 62

### Additional Problems:

- Find 2 values of  $\theta$ , if possible, where  $0^\circ \leq \theta \leq 360^\circ$ 
  - $\sin\theta = 0.436$
  - $\cos\theta = -0.521$
  - $\sin\theta = 1.025$
- Use the limit definition of a derivative to find  $\frac{dy}{dx}$  for  $y = -2x^2 + 5x$ .
- Find the area of triangle ABC if  $A = 27^\circ$ ,  $b = 12$ , and  $c = 16$ .