**MATH 30-1**

**TRIG 2**

**LESSON 2 Assignment**

1. Determine the equation of each sine function.

 a)



 b)

2. Determine the equation for each cosine function.

 a)



 b)

3. Determine the amplitude, and the period, in exact radians, of each function.

 Graph the functions to verify your answers.

 a)  b) 

 c)  d) 

 e)  f) 

4. Graph  and . How are the graphs related?

5. Predict how the graphs of  and are related. Graph to

 check your prediction.

6. Does a negative coefficient affect the amplitude or the period of the graph? Explain.