***Problem Set 3.8***

**Follow all directions and show all of your work in order to receive full credit.**

1. Fill out the degrees and radians of the unit circle for practice.

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2. Evaluate the SINE of each angle of the unit circle.

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3. Evaluate the COSINE of each angle of the unit circle.

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4. Evaluate the TANGENT of each angle of the unit circle.

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5. Graph the function y = sin(x) on the coordinate plane below. Then give its domain and range.



 Domain:

 Range:

6. Graph the function y = cos(x) on the coordinate plane below. Then give its domain and range.



 Domain:

 Range:

7. Graph the function y = tan(x) on the coordinate plane below. Then give its domain and range.



 Domain:

 Range: