

Name _____

Date _____

Advanced Algebra- Assignment #3

Unit 9- Parametric Equation and Trigonometry

Drawing Angles

Draw a picture for the given angle, θ , that has a terminal side as the given point. **You then determine the sine, cosine, and tangent for your picture.**

1) (3,4)

2) (2,-2)

3) (8,10)

4) (15,-8)

5) (-4,3)

6) (-6,-8)

7) (4,-10)

Draw a picture of the following angles and show the reference angle. Remember the reference angle is the acute angle that goes back to the **X AXIS**. You then determine the sine, cosine, and tangent for your picture.

8) $\sin 225$

9) $\cos 150$

Reference angle is: _____

Reference angle is: _____

10) $\sin (-30)$

11) $\tan (-60)$

Reference angle is: _____

Reference angle is: _____

12) $\sin (405)$

13) $\tan (300)$

Reference angle is: _____

Reference angle is: _____