

### T-3 Worksheet

Name \_\_\_\_\_

Make a sketch of the given angle and find the measure of the reference angle.

1.  $281^\circ$

2.  $340^\circ$

3.  $235^\circ$

4.  $123^\circ 40'$

5.  $98^\circ 9'$

6.  $280^\circ 40'$

The terminal side of an angle with measure  $\theta$  in standard position passes through the given point. Evaluate  $\sin\theta$ ,  $\cos\theta$  and  $\tan\theta$ .

7. P ( 5,12)

8. P(10,-24)

9. P(6,-8)

10. P(-5,-12)

11. P( -6,4)

12. P ( 5,2)

13. P(4,-5)

14. P(6,-3)

$\theta$  is an angle in standard position which terminates in the given quadrant. One of the functions  $\sin\theta$ ,  $\cos\theta$ , or  $\tan\theta$  is given. Find the other two trig functions.

15.  $\sin\theta = -\frac{1}{2}$ , Quad III

16.  $\cos\theta = \frac{\sqrt{3}}{2}$ , Quad IV

17.  $\tan\theta = \frac{3}{5}$ , Quad III

18.  $\tan\theta = -1$ , Quad II