

For each angle below, sketch it in standard form, then find the reference angle.

1.  $225^\circ$

2.  $410^\circ$

3.  $-120^\circ$

4.  $-175^\circ$

5.  $-395^\circ$

6.  $270^\circ$

Find the exact values of the 6 trig functions of  $\theta$  given each point on the terminal side of the angle in standard position.

7.  $(5,2)$

8.  $(-1,-8)$

Given the quadrant and a trig value of  $\theta$ , find exact values for the indicated functions.

9. III,  $\cos\theta = -1/2$ , find  $\tan\theta$

10. IV,  $\tan\theta = -1$ , find  $\csc\theta$

11. III,  $\sin\theta = -1/2$ , find  $\sec\theta$

12. II,  $\sin\theta = .4$ , find  $\sec\theta$

13. IV,  $\cot\theta = -1.2$ , find  $\cos\theta$

