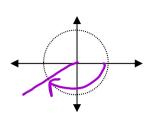
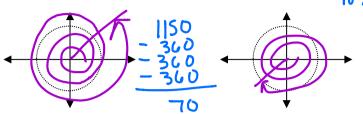
Sketch a graph of each angle. Determine the quadrant of the terminal side of the angle in standard position.

1. -160°



2.

3.



Determine the measure of an angle  $\theta$  coterminal with the bold angle that satisfies the specified condition.

4. **48°**;  $360^{\circ} \le \theta \le 720^{\circ}$ 

5. **110°**;  $-360^{\circ} \le \theta \le 0^{\circ}$ 

Determine two different coterminal angles, one with positive measures, and one with negative measures for each angle.

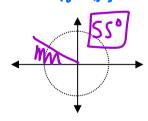
7. 55° 415°

8. -150°

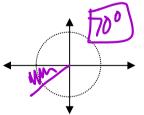
9.410° 00 770°

Find the reference angle for each of the following

10. 125° 180-125

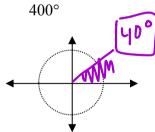


11.

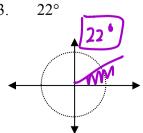


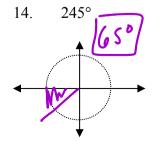
-110°

12.

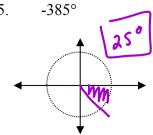


13.





15.



1.4 Worksheet: Angle Measure

Name:

Find the exact values of the six trig functions of an angle  $\theta$  whose terminal side passes through the given point.

17. 
$$(-7, -5)$$
 $sin\theta = -5/\sqrt{74}$ 
 $-7$ 
 $(050 = -7/\sqrt{74})$ 
 $tan0 = 5/7$ 
 $csc\theta = \sqrt{74}/7$ 
 $cot\theta = 7/5$ 

Find the exact value of the other five trig functions of  $\theta$  if  $\theta$  terminates in the given quadrant and has the given function value.