

Corrective Assignment

Find the reference angle.

1. 125°

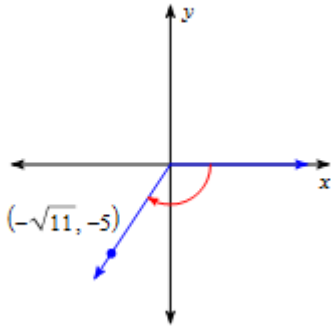
2. -95°

3. 310°

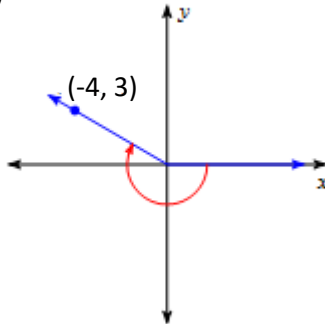
4. -200°

Use the given point on the terminal side of the angle θ to find the trigonometric function indicated.

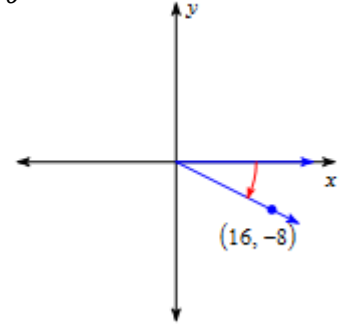
5.

 $\cos \theta$ 

6.

 $\sin \theta$ 

7.

 $\tan \theta$ 

Draw the reference triangle. Find the EXACT value of the trig ratio for θ .

8. $\sin \theta$ for $(2, \sqrt{5})$

9. $\cos \theta$ for $(-4, 3)$

10. $\cos \theta$ for $(2, -3)$

Draw the reference triangle. Find the EXACT value of the trig ratio for θ .

11. Given $\tan \theta = -\frac{5}{12}$ in quadrant II.
Find $\sin \theta$.

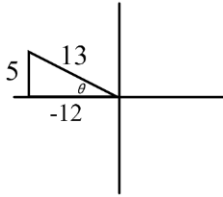
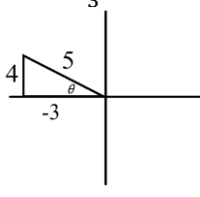
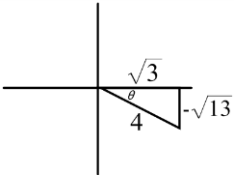
12. Given $\sin \theta = \frac{4}{5}$ where $90^\circ < \theta < 180^\circ$.
Find $\tan \theta$.

Draw the reference triangle. Find the EXACT value of the trig ratio for θ .

13. Given $\cos \theta = \frac{\sqrt{3}}{4}$ where $270^\circ < \theta < 360^\circ$.
Find $\sin \theta$.

14. Given $\cos \theta = -\frac{9}{15}$ where $180^\circ < \theta < 270^\circ$.
Find $\tan \theta$.

ANSWERS TO 9.2 CORRECTIVE ASSIGNMENTS

1. 55°	2. 85°	3. 50°	4. 20°
5. $-\frac{\sqrt{11}}{6}$	6. $\frac{3}{5}$	7. $-\frac{1}{2}$	8. $\frac{\sqrt{5}}{3}$
9. $-\frac{4}{5}$	10. $\frac{2\sqrt{13}}{13}$	11. $\frac{5}{13}$ 	12. $-\frac{4}{3}$ 
13. $-\frac{\sqrt{13}}{4}$ 	14. $\frac{12}{9} = \frac{4}{3}$ 