
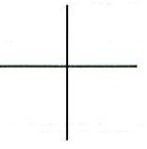
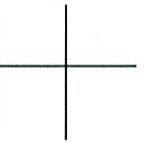



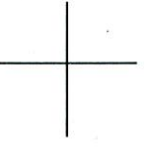

7.4A

Name:

Practice:
Trig for Any Angle or Radius

Evaluate the function given a point on the terminal side of the angle. Simplify completely and rationalize when needed.

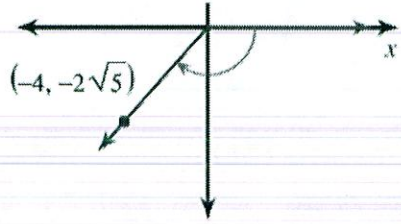
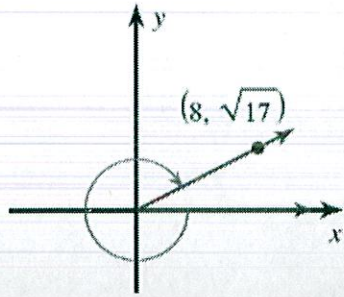
<p>1. Find $\csc \theta$, when the terminal side of θ passes through $(4, 3)$.</p> 	<p>2. Find $\sec \theta$, when the terminal side of θ passes through $(-8, 15)$.</p> 	<p>3. Find $\tan \theta$, when the terminal side of θ passes through $(-12, -5)$.</p> 
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<p>5. Find $\sin \theta$, when the terminal side of θ passes through $(1, -1)$.</p>  <p>The $m\angle\theta =$ _____ (in radians)</p>	<p>6. Find $\cos \theta$, when the terminal side of θ passes through $(-\sqrt{3}, -1)$.</p>  <p>The $m\angle\theta =$ _____ (in degrees)</p>	<p>7. Find $\cot \theta$, when the terminal side of θ passes through $(4, -4)$.</p>  <p>The $m\angle\theta =$ _____ (in radians)</p>
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Determine the quadrant in which the terminal side of the angle, θ , lies.

9. $\csc \theta < 0$ and $\cos \theta > 0$	10. $\tan \theta > 0$ and $\cos \theta < 0$	11. $\sin \theta > 0$ and $\cos \theta < 0$	12. $\sec \theta > 0$ and $\cot \theta > 0$
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Find the exact value of the function given the graph. Simplify completely and rationalize when needed.

<p>13. $\sin \theta =$</p> 	<p>14. $\cos \theta =$</p> 
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Find the indicated trig ratio in the specified quadrant. Simplify completely and rationalize when needed.

15. $\sin \theta = -\frac{3}{5}$ and θ is in Q4. Find $\cos \theta$.	16. $\cos \theta = \frac{7}{25}$ and θ is in Q1. Find $\csc \theta$.	17. $\sec \theta = -\frac{9}{4}$ and θ is in Q3. Find $\tan \theta$.
18. $\csc \theta = -2$ and $\sec \theta > 0$. Find $\cot \theta$.	19. $\tan \theta = \frac{3}{2}$ and $\sin \theta < 0$. Find $\sec \theta$.	20. $\cot \theta = -3$ and $\cos \theta < 0$. Find $\sin \theta$.