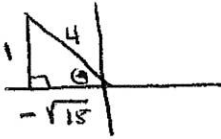


State the quadrant in which θ lies.

6. $\sin\theta < 0$ and $\cos\theta < 0$ III IV II III	Quad III	7. $\sec\theta > 0$ and $\cot\theta < 0$ I IV II IV	QUAD IV
8. $\cot\theta > 0$ and $\cos\theta > 0$ I III I IV	QUAD I	9. $\tan\theta > 0$ and $\csc\theta < 0$ I III III IV	QUAD III

Find the values of the six trigonometric functions of θ .

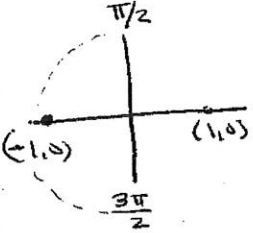
10. $\csc\theta = 4$ and $\cot\theta < 0$ QUAD II
I II II IV



$x = \sqrt{4^2 - (1)^2}$
 $x = \sqrt{16 - 1}$
 $x = \sqrt{15}$
 $\ast x = -\sqrt{15}$

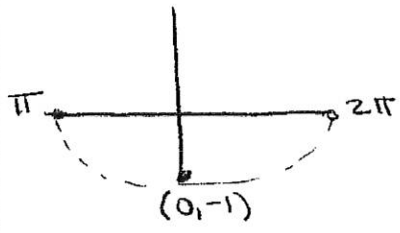
$\sin\theta = \frac{1}{4}$	$\csc\theta = 4$
$\cos\theta = -\frac{\sqrt{15}}{4}$	$\sec\theta = -\frac{4\sqrt{15}}{15}$
$\tan\theta = -\frac{\sqrt{15}}{15}$	$\cot\theta = -\sqrt{15}$

11. $\sin\theta = 0$ and $\frac{\pi}{2} \leq \theta \leq \frac{3\pi}{2}$ * QUADRANTAL



$\sin\theta = 0$	$\csc\theta = \text{und.}$
$\cos\theta = -1$	$\sec\theta = -1$
$\tan\theta = 0$	$\cot\theta = \text{und.}$

12. $\tan\theta$ is undefined and $\pi \leq \theta \leq 2\pi$ * QUADRANTAL



$\sin\theta = -1$	$\csc\theta = -1$
$\cos\theta = 0$	$\sec\theta = \text{und.}$
$\tan\theta = \text{und.}$	$\cot\theta = 0$

Evaluate the trigonometric function of the quadrantal angle.

<p>13. $\sec\pi$ (-1, 0) $\cos\pi = -1$ $\sec\pi = -1$</p>	<p>14. $\tan\left(\frac{\pi}{2}\right)$ (0, 1) $\tan\frac{\pi}{2} = \text{und.}$</p>	<p>15. $\cot\left(\frac{3\pi}{2}\right)$ (0, -1) $\tan\frac{3\pi}{2} = \text{und.}$ $\cot\frac{3\pi}{2} = 0$</p>	<p>16. $\csc(0)$ (1, 0) $\sin 0 = 0$ $\csc\theta = \text{und.}$</p>
<p>17. $\sec 0$ (1, 0) $\cos 0 = 1$ $\sec 0 = 1$</p>	<p>18. $\csc\left(\frac{3\pi}{2}\right)$ (0, -1) $\sin\frac{3\pi}{2} = -1$ $\csc\frac{3\pi}{2} = -1$</p>	<p>19. $\cot(\pi)$ (-1, 0) $\tan\pi = \frac{0}{1}$ $\cot\pi = \text{und.}$</p>	<p>20. $\csc\frac{\pi}{2}$ (0, 1) $\sin\frac{\pi}{2} = 1$ $\csc\frac{\pi}{2} = 1$</p>

