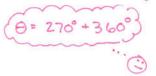
$\theta = 630^{\circ}$

Verbal

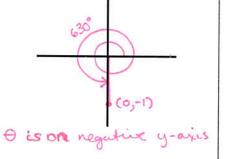
Sketch θ and the reference angle or indicate the position of the quadrantal.

What quadrant is the terminal side of θ in? N/A

Is θ a quadrantal an



igle?	U	Les
J	-	,



Graphical

Reference Angle

Calculate the value of the reference angle of θ or name the axis of the quadrantal.

Does α correspond to an angle that is part of a special right triangle? no

If yes, sketch the special right triangle with the appropriate labels.

Values of Trig Functions

Calculate the values of the six trigonometric functions of the angle θ .

$$\sin \theta^{2} - 1 \qquad \csc \theta^{2} - 1$$

$$\tan \theta = \frac{-1}{0}$$
 $\cot \theta = 0$
= DNE
(or undefined)

Verbal

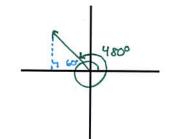
$\theta = 480^{\circ}$

What quadrant is the terminal side of θ in?

Is θ a quadrantal angle? no

Graphical

Sketch θ and the reference angle or indicate the position of the quadrantal.



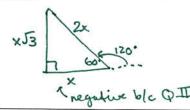
Reference Angle

Calculate the value of the reference angle of θ or name the axis of the quadrantal.

$$\alpha = 60^{\circ}$$

Does α correspond to an angle that is part of a special right triangle? yes

If yes, sketch the special right triangle with the appropriate labels.



Values of Trig Functions

Calculate the values of the six trigonometric functions of the angle θ .

$$sin \Theta = \frac{\sqrt{3}}{2}$$

$$\begin{array}{c|c}
csc \Theta = \frac{2}{\sqrt{3}} \\
a & \frac{2\sqrt{3}}{3}
\end{array}$$

$$\cos \Theta = \frac{-X}{2x}$$

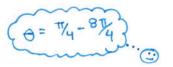
Verbal

Graphical

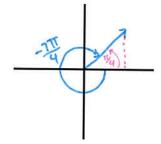
$\theta = -\frac{7\pi}{4}$

What quadrant is the terminal side of θ in? \blacksquare

Is θ a quadrantal angle? $\wedge \circ$



Sketch θ and the reference angle or indicate the position of the quadrantal.



Reference Angle

Values of Trig Functions

Calculate the value of the reference angle of θ or name the axis of the quadrantal.

$$\alpha = \frac{17}{4} (45^{\circ})$$

Does α correspond to an angle that is part of a special right triangle? ______

If yes, sketch the special right triangle with the appropriate labels.



Calculate the values of the six trigonometric functions of the angle θ .

sin
$$\theta = \frac{x}{x\sqrt{2}}$$

$$= \sqrt{2}$$

$$\sin \theta = \frac{x}{x\sqrt{2}}$$

$$\sin \theta = \frac{\sqrt{2}}{2}$$

$$\sin \theta = \frac{\sqrt{2}}{2}$$

$$\cos \theta = \frac{x}{x\sqrt{2}}$$

$$= \frac{1}{\sqrt{2}} \Rightarrow \sec \theta = \sqrt{2}$$

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	1

Verbal	Graphical	
$\theta = \frac{\pi}{2}$ What quadrant is the terminal side of θ in? $\frac{N/A}{A}$ Is θ a quadrantal angle? $\frac{V}{A}$	Sketch θ and the reference angle or indicate the position of the quadrantal. (9,1) is on positive y-axis	
Reference Angle	Values of Trig Functions	
Calculate the value of the reference angle of θ or name the axis of the quadrantal.	Calculate the values of the six trigonometric functions of the angle θ .	
$\alpha = \underline{y-axis}$ (positive)	$sin\theta = 1$ $csc\theta = 1$	
Does α correspond to an angle that is part of a special right	cos0=0 Sec0=DNE	
triangle? <u>no</u>	tan0 = 10 cot 0 = 0	
If yes, sketch the special right triangle with the appropriate labels.	= DNE	