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Target 6C: Scavenger Hunt

Find $\cos(\theta)$ given $\sin(\theta) = \frac{\sqrt{3}}{2}$ in Quadrant II

$$-\frac{1}{2}$$

Target 6C: Scavenger Hunt

Find $\tan(\theta)$ given $\sin(\theta) = \frac{4}{5}$ in Quadrant I

$$\frac{4}{3}$$

Target 6C: Scavenger Hunt

If $\tan(\theta)$ is positive, what quadrant would θ be in if $\cos(\theta)$ is also positive?

Q1

Target 6C: Scavenger Hunt

What is $\sin(\theta)$ for an angle θ in standard position whose terminal side contains the point (4,3)

3
—
5

Target 6C: Scavenger Hunt

Find the exact value of $\sin(\theta)$ if the terminal side of θ in standard position contains the given point $(0,1)$

1

Target 6C: Scavenger Hunt

Find $\sin(\theta)$ given $\cos(\theta) = -\frac{\sqrt{2}}{2}$ in Quadrant II

$$\frac{\sqrt{2}}{2}$$

Target 6C: Scavenger Hunt

Find $\cos(\theta)$ given $\sin(\theta) = -\frac{3}{5}$ in Quadrant III

$$-\frac{4}{5}$$

1. Target 6C: Scavenger Hunt

2. If $\sin(\theta)$ is negative, what quadrant would θ be in if $\tan(\theta)$ is positive?

Q3

Target 6C: Scavenger Hunt

What is $\tan(\theta)$ for an angle θ in standard position whose terminal side contains the point $(-28,45)$

$$\frac{45}{28}$$

Target 6C: Scavenger Hunt

Find the exact value of $\cos(\theta)$ if the terminal side of θ in standard position contains the given point $(0,-6)$

0

Target 6C: Scavenger Hunt

Find $\cos(\theta)$ given $\sin(\theta) = -\frac{\sqrt{2}}{2}$ in Quadrant III

$$-\frac{\sqrt{2}}{2}$$

Target 6C: Scavenger Hunt

Find $\sin(\theta)$ given $\tan(\theta) = -\frac{7}{24}$ in Quadrant II

$$\frac{7}{25}$$

Target 6C: Scavenger Hunt

If $\cos(\theta)$ is negative, what quadrant would θ be in if $\sin(\theta)$ is positive?

Q2

Target 6C: Scavenger Hunt

What is $\cos(\theta)$ for an angle θ in standard position whose terminal side contains the point $(-80,-39)$

$$\frac{80}{89}$$

Target 6C: Scavenger Hunt

Find the exact value of $\tan(\theta)$ if the terminal side of θ in standard position contains the given point (0,10)

Undefined

Target 6C: Scavenger Hunt

Find $\sin(\theta)$ given $\cos(\theta) = -\frac{1}{2}$ in Quadrant III

$$-\frac{\sqrt{3}}{2}$$

Target 6C: Scavenger Hunt

Find $\tan(\theta)$ given $\cos(\theta) = \frac{11}{61}$ in Quadrant IV

$$\frac{60}{11}$$

Target 6C: Scavenger Hunt

If $\sin(\theta)$ is negative, what quadrant would θ be in if $\cos(\theta)$ is positive?

Q4

Target 6C: Scavenger Hunt

What is $\sin(\theta)$ for an angle θ in standard position whose terminal side contains the point $(20,-21)$

$$-\frac{21}{29}$$

Target 6C: Scavenger Hunt

Find the exact value of $\cos(\theta)$ if the terminal side of θ in standard position contains the given point $(-40,0)$