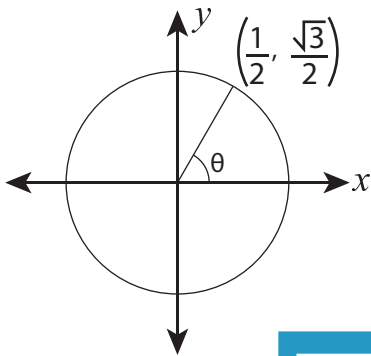


Six Trigonometric Ratios

Find the exact values of six trigonometric ratios using the point on the unit circle.

1)

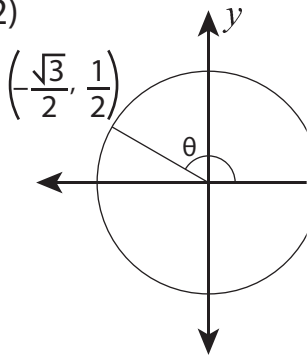


$\sin \theta =$ _____ $\operatorname{cosec} \theta =$ _____

$\cos \theta =$ _____ $\sec \theta =$ _____

$\tan \theta =$ _____ $\cot \theta =$ _____

2)

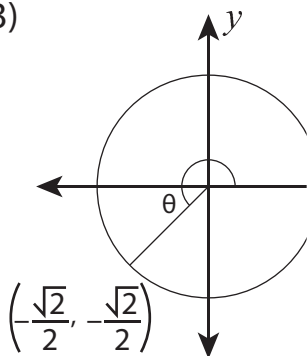


$\theta =$ _____

$\theta =$ _____

$\theta =$ _____

3)

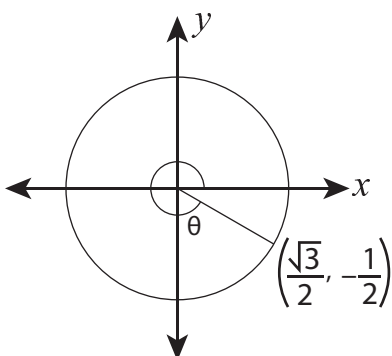


$\theta =$ _____

$\theta =$ _____

$\theta =$ _____

4)



$\sin \theta =$ _____ $\operatorname{cosec} \theta =$ _____

$\cos \theta =$ _____ $\sec \theta =$ _____

$\tan \theta =$ _____ $\cot \theta =$ _____

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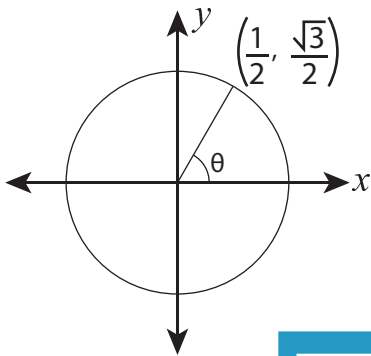
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Six Trigonometric Ratios

Find the exact values of six trigonometric ratios using the point on the unit circle.

1)



$$\sin \theta = \underline{\frac{\sqrt{3}}{2}}$$

$$\operatorname{cosec} \theta = \underline{\frac{2\sqrt{3}}{3}}$$

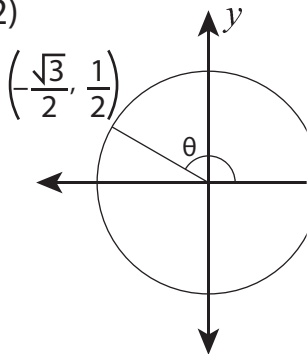
$$\cos \theta = \underline{\frac{1}{2}}$$

$$\sec \theta = \underline{2}$$

$$\tan \theta = \underline{\sqrt{3}}$$

$$\cot \theta = \underline{\frac{\sqrt{3}}{3}}$$

2)

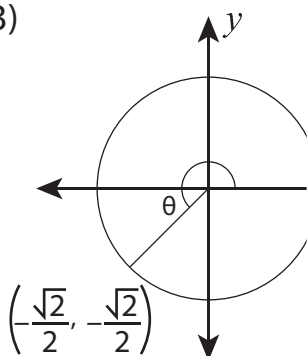


$$\theta = \underline{2}$$

$$\theta = \underline{-\frac{2\sqrt{3}}{3}}$$

$$\theta = \underline{-\sqrt{3}}$$

3)

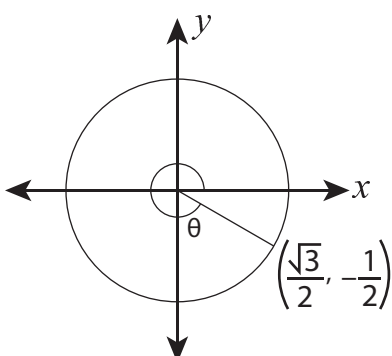


$$\theta = \underline{-\sqrt{2}}$$

$$\theta = \underline{-\sqrt{2}}$$

$$\theta = \underline{1}$$

4)



$$\sin \theta = \underline{-\frac{1}{2}}$$

$$\operatorname{cosec} \theta = \underline{-2}$$

$$\cos \theta = \underline{\frac{\sqrt{3}}{2}}$$

$$\sec \theta = \underline{\frac{2\sqrt{3}}{3}}$$

$$\tan \theta = \underline{-\frac{\sqrt{3}}{3}}$$

$$\cot \theta = \underline{-\sqrt{3}}$$

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