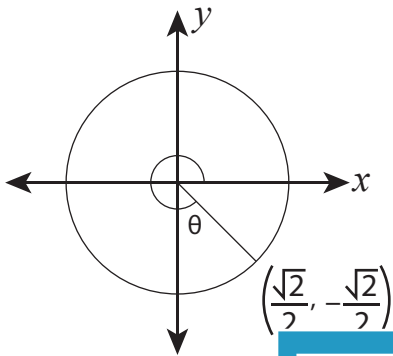


Six Trigonometric Ratios

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

1)

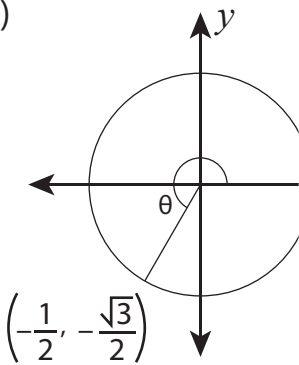


$\sin \theta =$ _____ $\operatorname{cosec} \theta =$ _____

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

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

2)

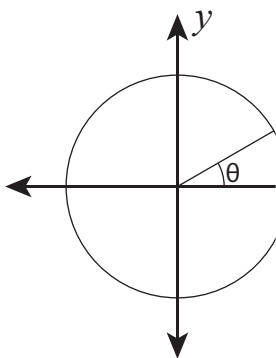


$\sin \theta =$ _____

$\cos \theta =$ _____

$\tan \theta =$ _____

3)

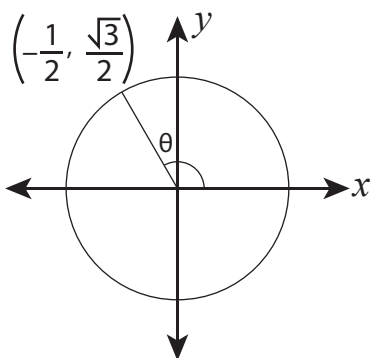


$\sin \theta =$ _____

$\cos \theta =$ _____

$\tan \theta =$ _____

4)



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

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

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

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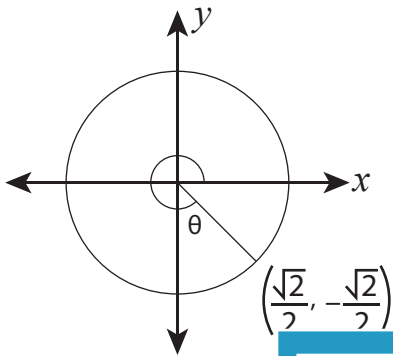
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Six Trigonometric Ratios

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

1)



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

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

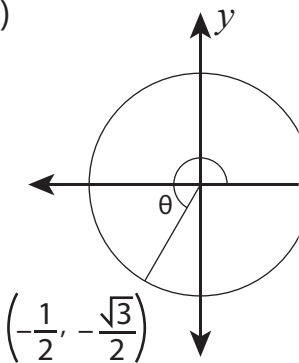
$$\cos \theta = \underline{\underline{\frac{\sqrt{2}}{2}}}$$

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

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

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

2)



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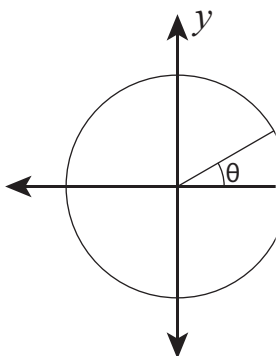
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$$\theta = \underline{\underline{-\frac{2\sqrt{3}}{3}}}$$

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

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

3)

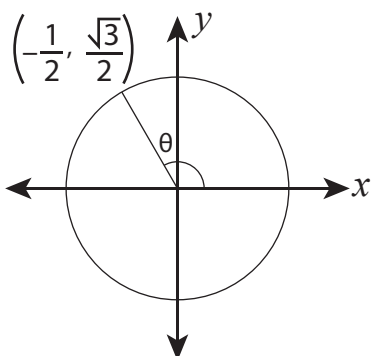


$$\theta = \underline{\underline{2}}$$

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

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

4)



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

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

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

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

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

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