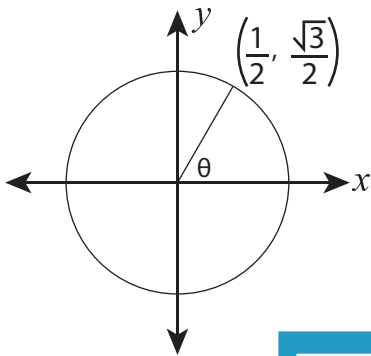


# Six Trigonometric Ratios

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

1)

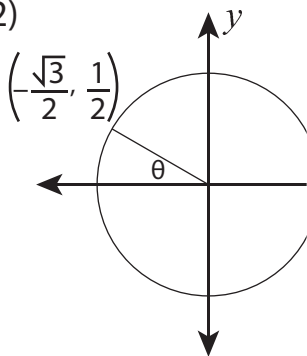


$\sin \theta =$  \_\_\_\_\_  $\operatorname{cosec} \theta =$  \_\_\_\_\_

$\cos \theta =$  \_\_\_\_\_  $\sec \theta =$  \_\_\_\_\_

$\tan \theta =$  \_\_\_\_\_  $\cot \theta =$  \_\_\_\_\_

2)

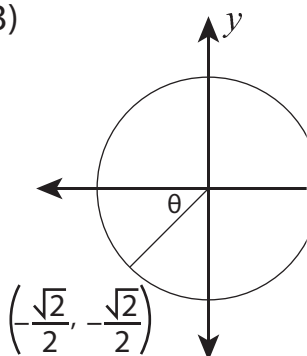


$\theta =$  \_\_\_\_\_

$\theta =$  \_\_\_\_\_

$\theta =$  \_\_\_\_\_

3)

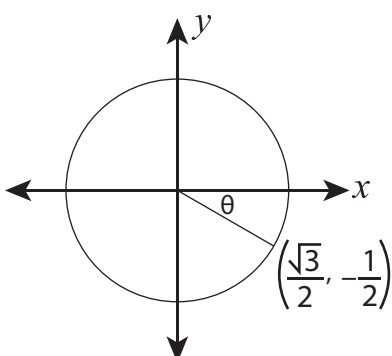


$\theta =$  \_\_\_\_\_

$\theta =$  \_\_\_\_\_

$\theta =$  \_\_\_\_\_

4)



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

$\cos \theta =$  \_\_\_\_\_  $\sec \theta =$  \_\_\_\_\_

$\tan \theta =$  \_\_\_\_\_  $\cot \theta =$  \_\_\_\_\_

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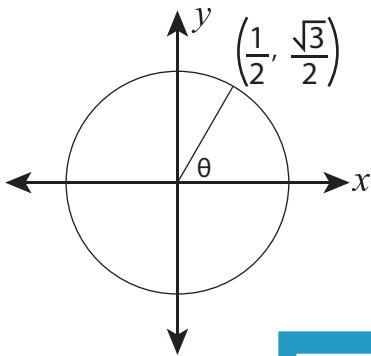
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## Six Trigonometric Ratios

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

1)



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

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

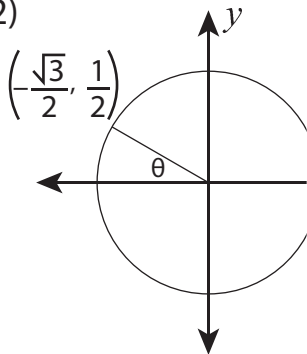
$$\cos \theta = \underline{\frac{1}{2}}$$

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

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

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

2)



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

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

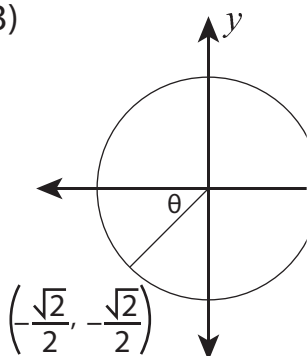
$$\theta = \underline{-\sqrt{3}}$$

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

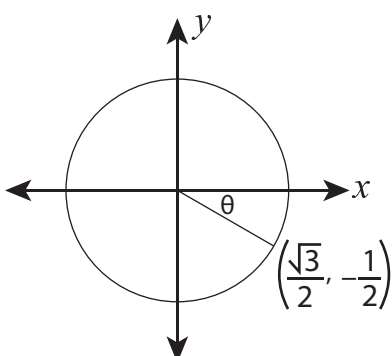
$$\theta = \underline{-\sqrt{2}}$$

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

3)



4)



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

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

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

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

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

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