# Trigonometric Ratios of Special Angles

Find the exact value of each trigonometric function.

1

$$\sin 90° = \underline{\quad}$$

2

$$\cos 150° = \underline{\quad}$$

3

$$\tan 225° = \underline{\quad}$$

4

$$\cos 135° = \underline{\quad}$$

5 cosec 225°

6 $\sin \dfrac{\pi}{4}$
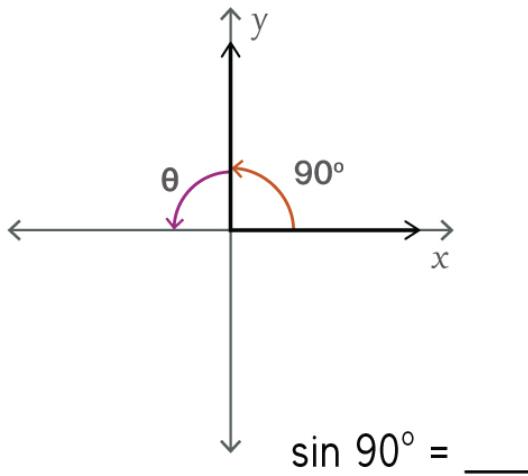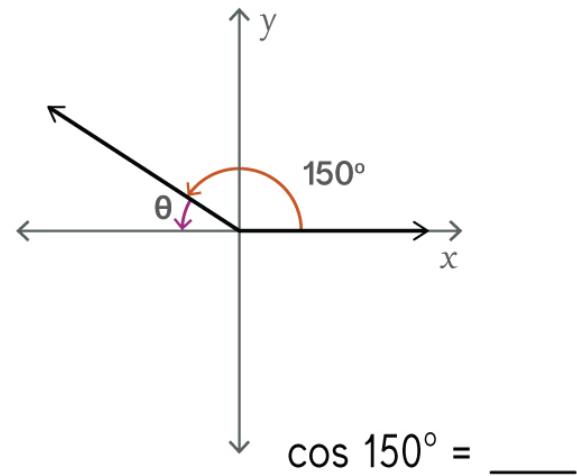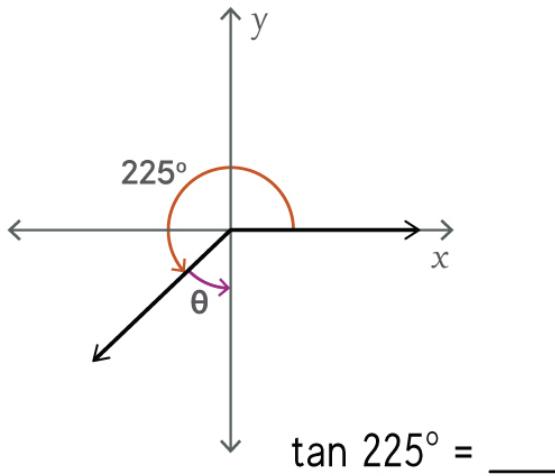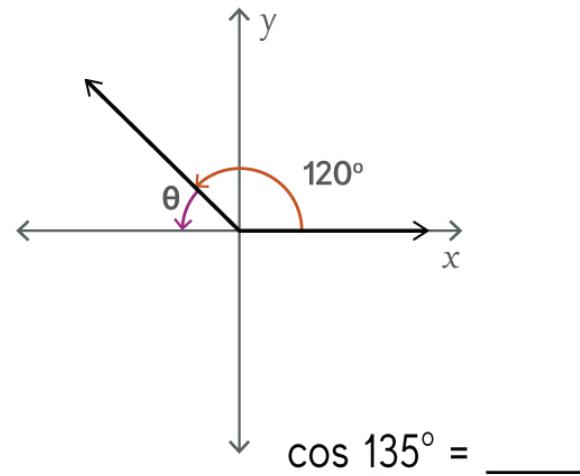
7 tan 120°

_____   _____   _____

8 $\sin^2 30° + \cos^2 30°$

9 $\cos^2 60° + 3\sec^2 30°$

_____   _____

Trigonometric Ratios of Special Angles

Answers

1

$\sin 90° = \underline{\ 1\ }$

2

$\cos 150° = \underline{\ -\dfrac{\sqrt{3}}{2}\ }$

3

$\tan 225° = \underline{\ 1\ }$

4
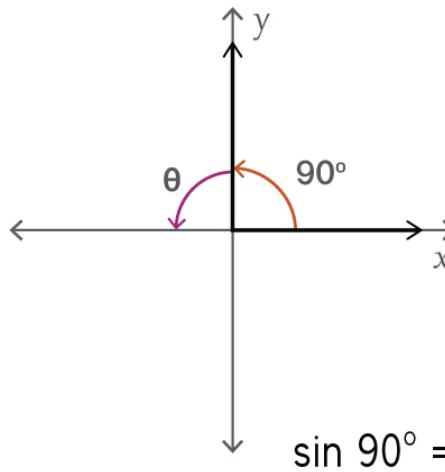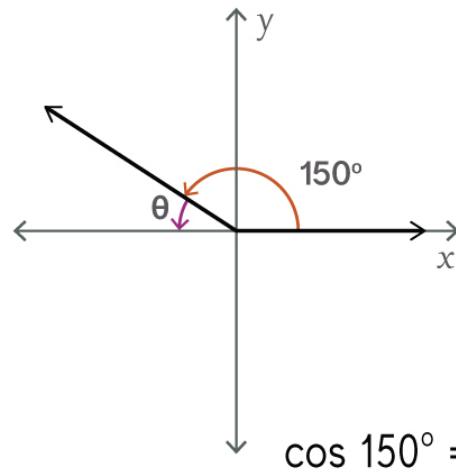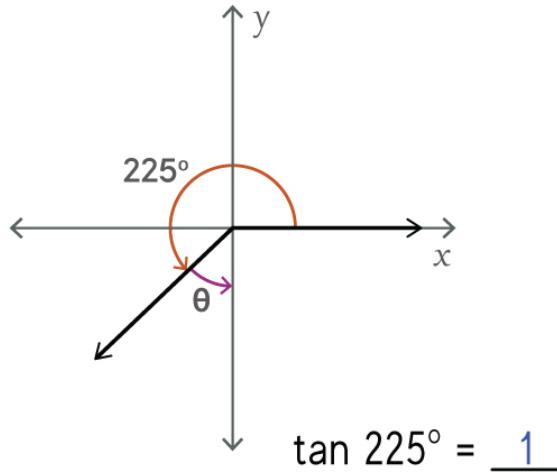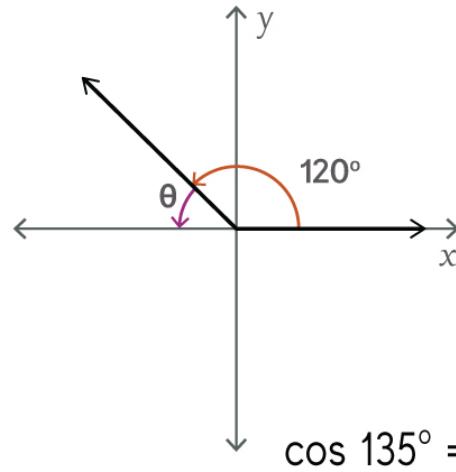
$\cos 135° = \underline{\ -\dfrac{1}{2}\ }$

5 cosec 225°

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

6 $\sin \dfrac{\pi}{4}$

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

7 tan 120°

$$-\sqrt{3}$$

8 $\sin^2 30° + \cos^2 30°$

$$1$$

9 $\cos^2 60° + 3\sec^2 30°$

$$\frac{51}{12}$$