

Trigonometric Ratios with Circles

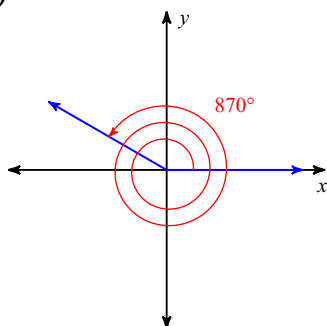
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Name _____

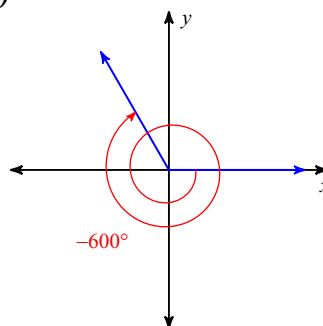
Date _____

Find the exact value of each trigonometric function.

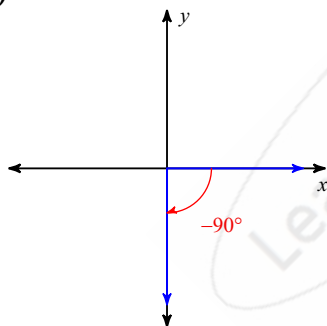
1) $\sin \theta$



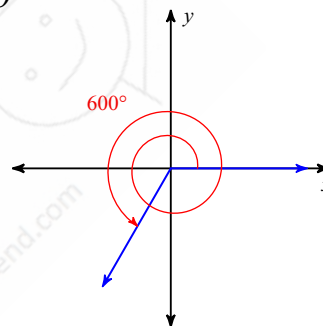
2) $\sin \theta$



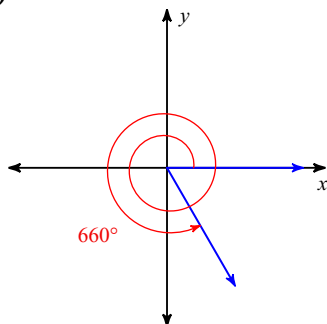
3) $\cos \theta$



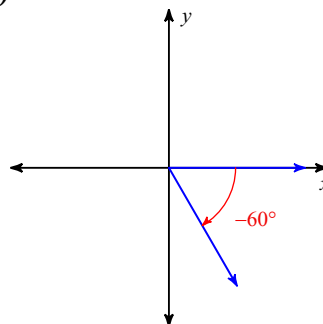
4) $\cot \theta$



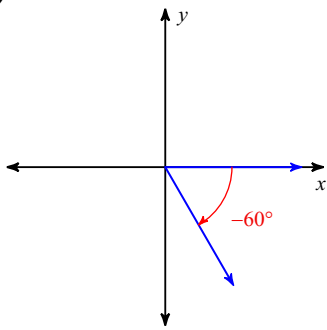
5) $\cos \theta$



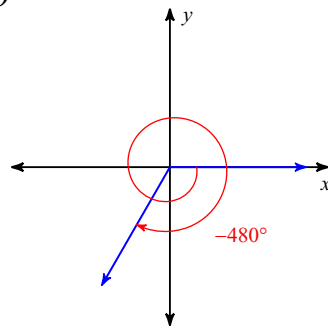
6) $\sin \theta$



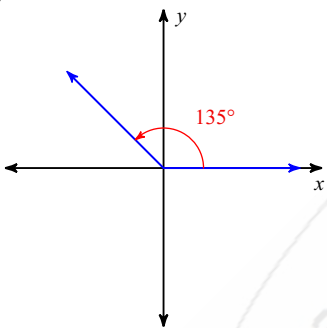
7) $\csc \theta$



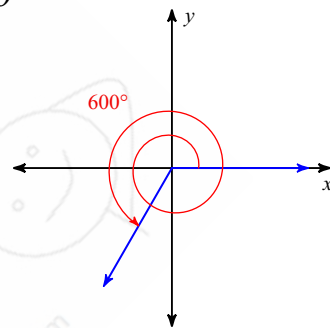
8) $\sin \theta$



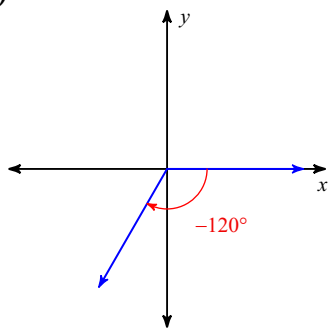
9) $\tan \theta$



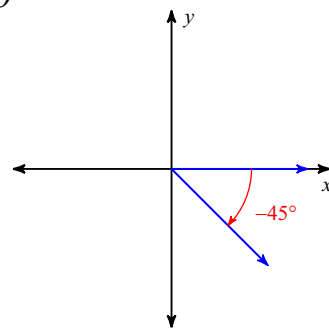
10) $\sin \theta$



11) $\sec \theta$



12) $\sec \theta$



Answers to Trigonometric Ratios with Circles

1) $\frac{1}{2}$

5) $\frac{1}{2}$

9) -1

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

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

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

3) 0

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

11) -2

4) $\frac{\sqrt{3}}{3}$

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

12) $\sqrt{2}$

