

Alg 2 Trig Quiz Review

"Answer" key

Name _____

Check your answers -
SHOW YOUR WORK!Find all θ for $0^\circ \leq \theta < 360^\circ$

1) $\tan \theta = -\sqrt{3}$

II: $\theta = 120^\circ$

IV: $\theta = 300^\circ$

2) $\sin \theta = -\frac{1}{\sqrt{2}}$

III: $\theta = 225^\circ$

IV: $\theta = 315^\circ$

3) $\tan \theta = 1$

I: $\theta = 45^\circ$

III: $\theta = 225^\circ$

4) $\cos \theta = \frac{\sqrt{3}}{2}$

I: $\theta = 30^\circ$

IV: $\theta = 330^\circ$

5) $5 \sin \theta + 1 = -4$

$\theta = 270^\circ$

Quadrantal

6) $3 \cos \theta - 3 = 0$

$\theta = 0^\circ$

$\theta = 360^\circ$

Quadrantal

7) $2 \sin \theta = \sqrt{3}$

I: $\theta = 60^\circ$

II: $\theta = 120^\circ$

8) $2\sqrt{3} \tan \theta = -2$

II: $\theta = 150^\circ$

IV: $\theta = 330^\circ$

9) $\tan \theta = \text{undefined}$

$\theta = 90^\circ$

$\theta = 270^\circ$

Quadrantal

10) $\cos \theta = -1$

$\theta = 180^\circ$

Quadrantal