

Advanced Algebra 2 CW on Solving Trig Equations – Do not Write on

Solve the following for $0^\circ < \theta \leq 360^\circ$. Show all work. Box your final answers.

1. $-2 \sin \theta = \sqrt{2}$

2. $\cos^2 \theta - 1 = 0$

3. $\csc \theta \cos \theta = 2 \cos \theta$

Solve the following for $0 < \theta \leq 2\pi$

4. $\tan \theta (\sec \theta + 2) = 0$

5. $1 + \sin \theta = 2 \cos^2 \theta$

6. $2 \cos^2 \theta - \cos \theta - 3 = 0$