

Fill in the Blanks

Solving Trigonometric Equations

Question	Rearranged Equation	Acute Angle	Unit Circle	Solutions
Solve $4 \sin \theta = 3$ for $0^\circ \leq \theta < 360^\circ$	$\sin \theta = \frac{3}{4}$	$\theta = \sin^{-1}\left(\frac{3}{4}\right)$ $\theta = 48.6^\circ$		
Solve $5 \cos \theta = 1$ for $0^\circ \leq \theta < 360^\circ$				
Solve $5 \tan \theta = -8$ for $0^\circ \leq \theta < 360^\circ$				
Solve $\tan \theta - 6 = 0$ for $-180^\circ \leq \theta < 180^\circ$				
Solve $3 \sin \theta + 2 = 0$ for $-180^\circ \leq \theta < 180^\circ$				
Solve $16 \cos^2 \theta = 9$ for $0^\circ \leq \theta < 360^\circ$				
Solve $4 \tan^2 \theta = 25$ for $-180^\circ \leq \theta < 180^\circ$				