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| **Fill in the Blanks** | **Solving Trigonometric Equations** |

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