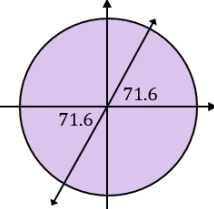
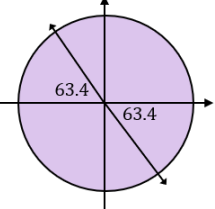
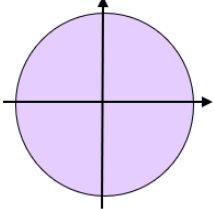
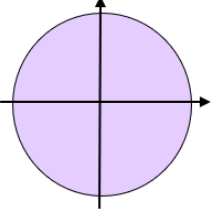
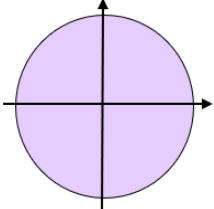
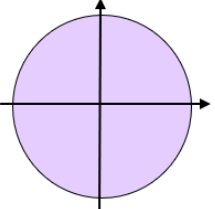
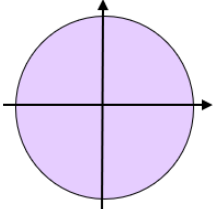
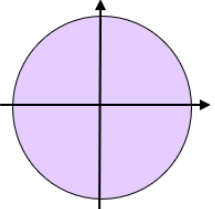


Fill in the Blanks

Solving Quadratic Trigonometric Equations

Question	Factorise and Solve	Solve 1 st Trig Equation	Solve 2 nd Trig Equation
Solve $\tan^2\theta - \tan\theta - 6 = 0$ for $0^\circ \leq \theta < 360^\circ$	$(\tan\theta - 3)(\tan\theta + 2) = 0$ $\tan\theta = 3$ or $\tan\theta = -2$	 $\theta = \tan^{-1}(3)$ $\theta = 71.6^\circ$ $\theta = 71.6^\circ, 251.6^\circ$	 $\theta = \tan^{-1}(2)$ $\theta = 63.4^\circ$ $\theta = 116.6^\circ, 296.6^\circ$
Solve $6 \sin^2\theta - \sin\theta - 1 = 0$ for $-180^\circ \leq \theta < 180^\circ$			
Solve $2 \cos^2\theta + 7 \cos\theta + 3 = 0$ for $0^\circ \leq \theta < 360^\circ$			
Solve $3 \tan^2\theta - 8 \tan\theta + 4 = 0$ for $-180^\circ \leq \theta < 180^\circ$			
Solve $9 \sin^2\theta - 1 = 0$ for $0^\circ \leq \theta < 360^\circ$		