

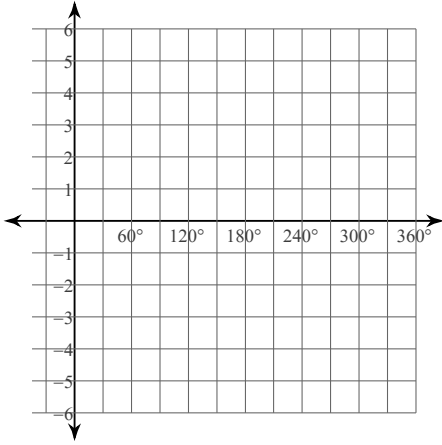
# Graphing Trig Functions

## Amplitude and Period

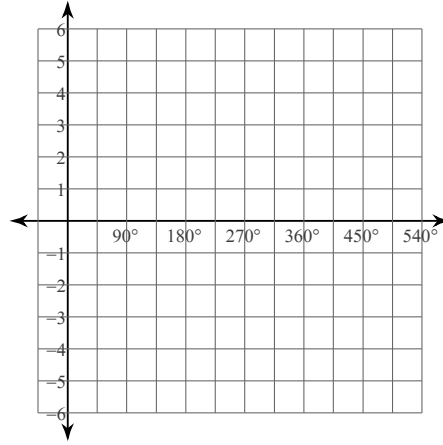
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**Graph each function using degrees.**

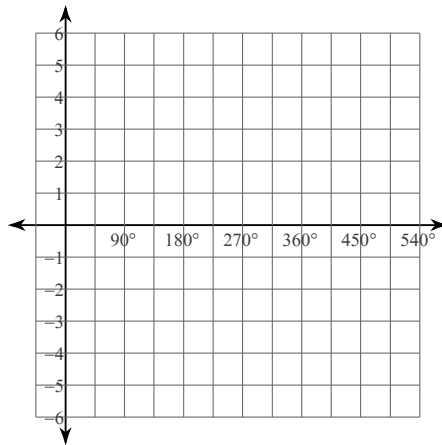
1)  $y = 2\cos 4\theta$



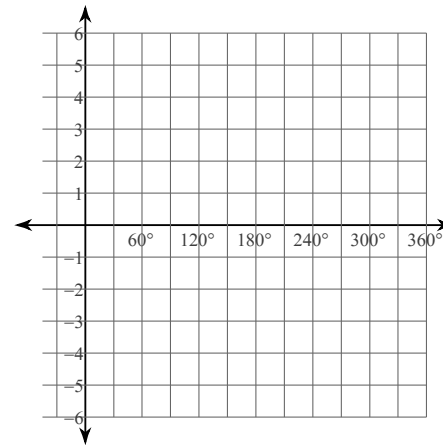
2)  $y = 2\cos \theta$



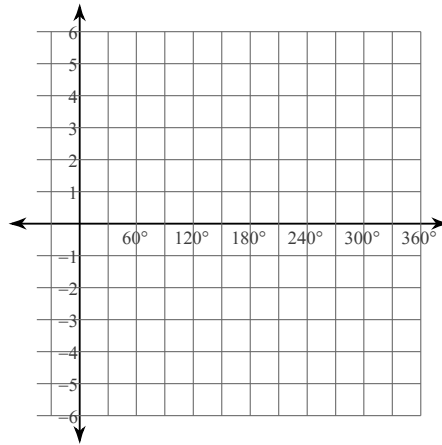
3)  $y = \frac{1}{2} \cdot \tan \frac{\theta}{2}$



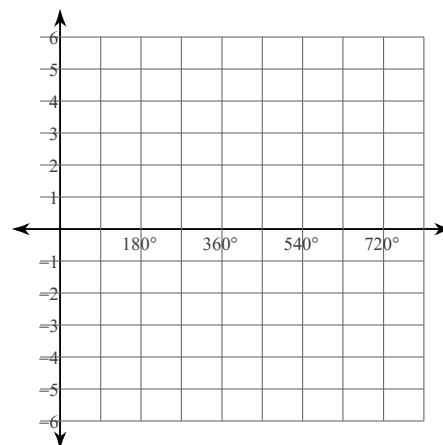
4)  $y = \frac{1}{2} \cdot \tan 2\theta$



5)  $y = 2\sin 2\theta$

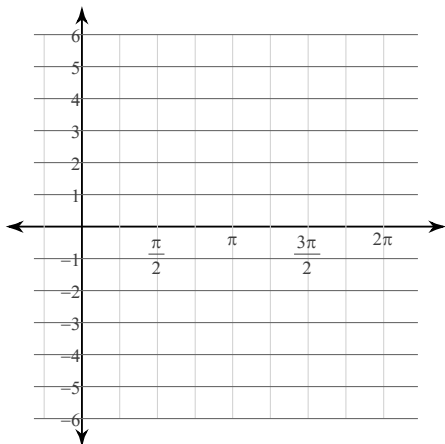


6)  $y = 2\tan \frac{\theta}{3}$

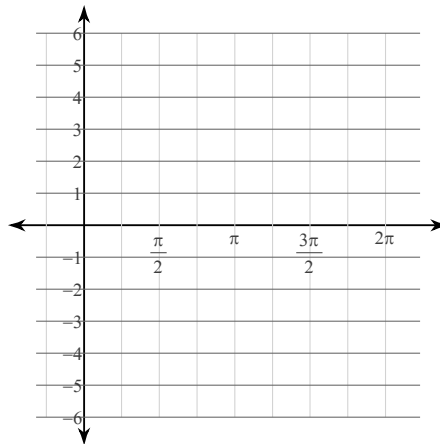


Using radians, find the amplitude and period of each function. Then graph.

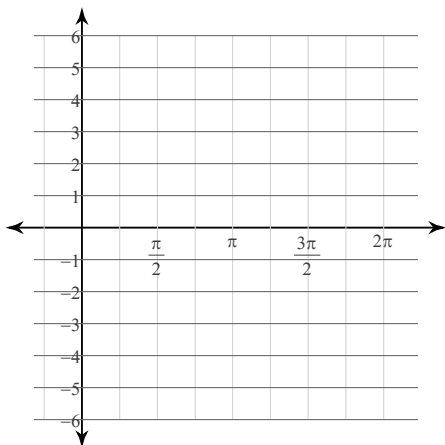
7)  $y = \frac{1}{2} \cdot \cos 4\theta$



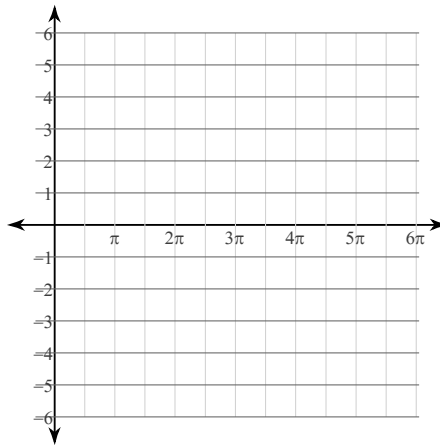
8)  $y = 2\sin 2\theta$



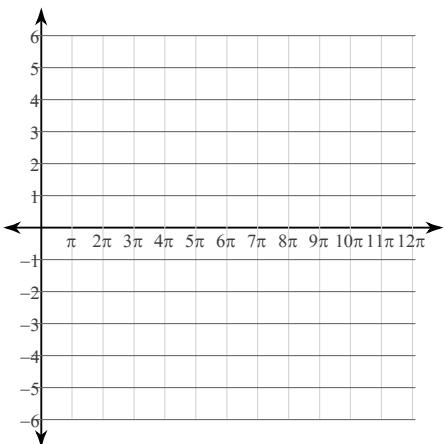
9)  $y = \frac{1}{2} \cdot \cos 2\theta$



10)  $y = 4\sin \frac{\theta}{2}$



11)  $y = 4\cos \frac{\theta}{4}$



12)  $y = 4\sin 4\theta$

