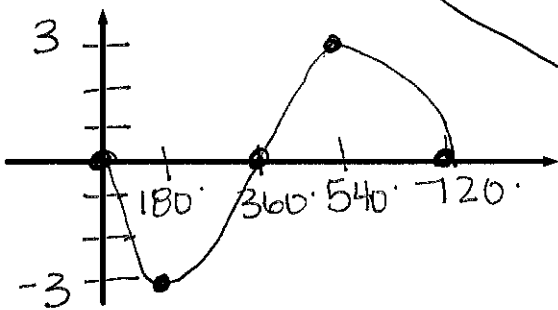


## Warmup - Graphing Sin/Cos #3

(Make appropriate tick marks on the x- and y-axis, mark all critical points and provide the following information.)

1. Graph:  $f(x) = -3\sin\frac{\theta}{2}$



amplitude:  $|-3| = 3$

period:  $\frac{360}{\frac{1}{2}} = \frac{360}{1/2} = 360 \cdot 2 = 720^\circ$

domain:  $[0^\circ, 720^\circ]$

range:  $[-3, 3]$

★ reflects  
x-axis