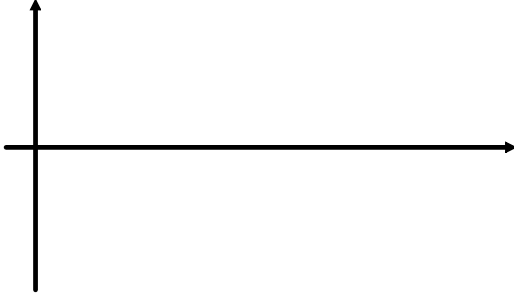


## Warmup - Graphing Sin/Cos #5

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

1. Graph:  $f(x) = -2\sin(3x - \pi) + 1$



domain:

period:

phase shift:

vertical shift:

amplitude:

range: