

Sine Graphs with Dilations

$$y = \sin x$$



amplitude:

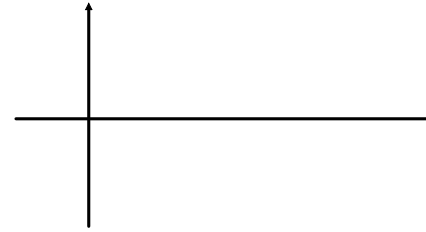
period:

domain:

range:

In general: $y = \pm a \cdot \sin(bx)$

1) $y = 3 \sin 2\theta$



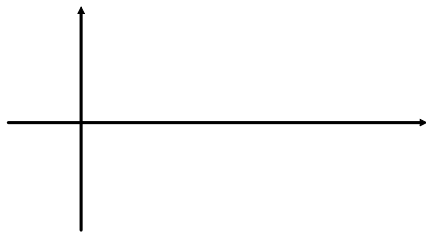
amplitude:

period:

domain:

range:

2) $y = -2 \sin \frac{3}{4}x$



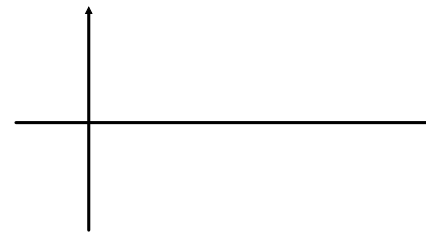
amplitude:

period:

domain:

range:

3) $y = \sin \left(\frac{\pi x}{4} \right)$



amplitude:

period:

domain:

range: