

Construct a sinusoid with the given amplitude and period that goes through the given point

1. Amp: 6 Period = 8π Point (0,0)

2. Amp: 5.5 Period = $\frac{\pi}{6}$ Point (4,0)

3. Amp: 8 Period = 10π Point (0,0)

4. Amp: 4.5 Period = $\frac{\pi}{10}$ Point (6,0)

Construct a cosine function with the given amplitude and period that goes through the given point

1. Amp: 2 Period = 3π Point (0,0)

Graph 2 periods

3. $y = 3 \tan\left(\frac{x}{6}\right)$

2. Amp: 2.5 Period = $\frac{\pi}{8}$ Point (-2,0)

4. $y = 2 \tan \pi \left(x - \frac{1}{4} \right) + 2$