

Convert  $\frac{8\pi}{5}$  radians to degree measure.

$$\frac{8\pi}{5} \cdot \frac{180}{\pi} = 288^\circ$$

Convert 140 degrees to radian measure in terms of  $\pi$ .

$$140 \cdot \frac{\pi}{180} = \frac{7\pi}{9}$$

$\sin(120^\circ) = \frac{\sqrt{3}}{2}$



$\cos\left(\frac{5\pi}{4}\right) = -\frac{\sqrt{2}}{2}$



$\tan\left(\frac{5\pi}{3}\right) = -\sqrt{3}$   
 $-\frac{\sqrt{3}}{2} \cdot \frac{2}{1}$

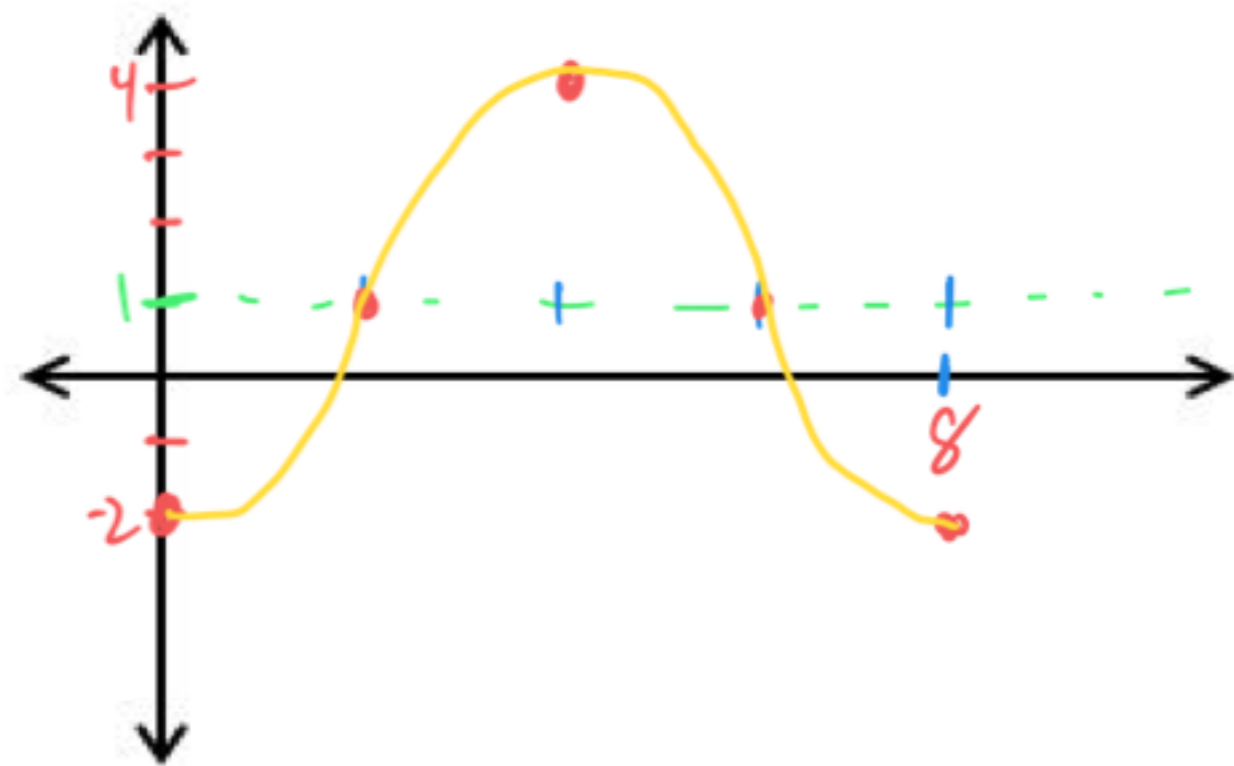


$\tan\left(\frac{3\pi}{2}\right) = \text{undefined}$



Graph:  $y = -3\cos\left(\frac{\pi x}{4}\right) + 1$

$p = 2\pi \cdot \frac{4}{\pi} = 8$



Graph:  $y = 2\tan(3\pi x) - 1$

$\frac{1\pi}{3\pi} = \frac{1}{3}$

