

PreCalculus Quiz

Your Name:

Please put your calculator away; you may not use it for this quiz.
Fill in the missing information. Sketch the graph of the function without a calculator.

1. $y = \frac{5}{2} \sin \frac{\pi}{2} x + \frac{1}{2}$

domain

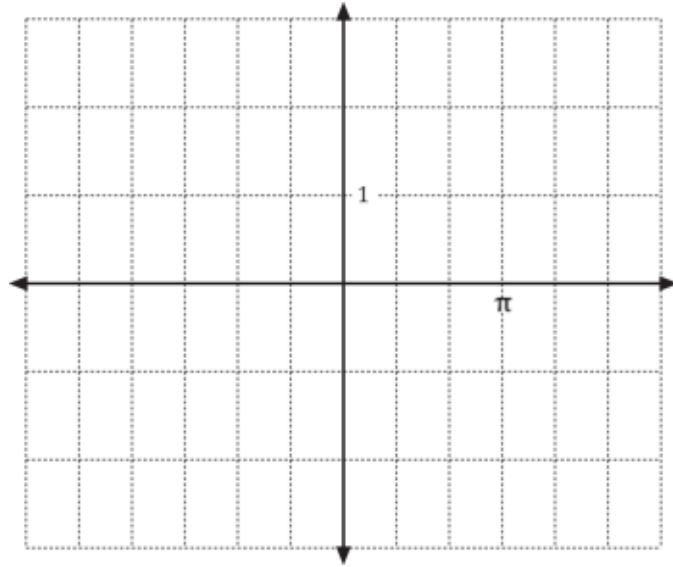
amplitude

range

period

equilibrium

phase shift



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

domain

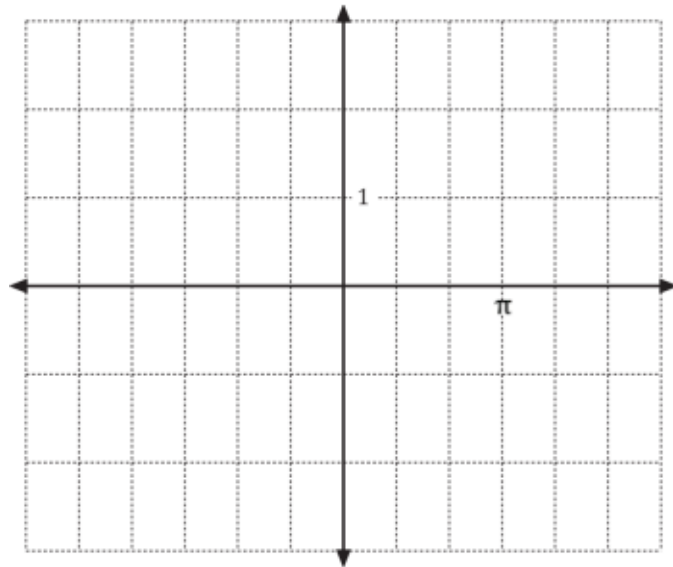
amplitude

range

period

equilibrium

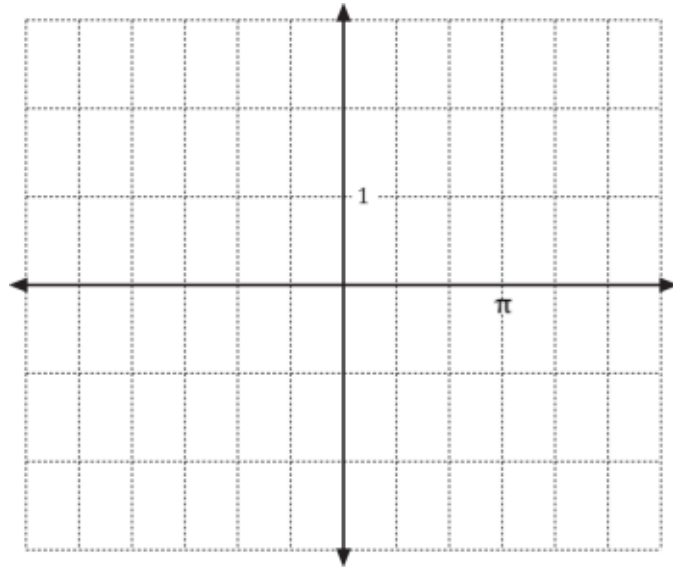
phase shift



over →

3. $y = \frac{3}{2} \sin 2(x + \pi) - 1$

domain	amplitude
range	period
equilibrium	phase shift



4. $y = \cos\left(\frac{1}{2}x + \frac{2\pi}{3}\right) - 2$

domain	amplitude
range	period
equilibrium	phase shift

