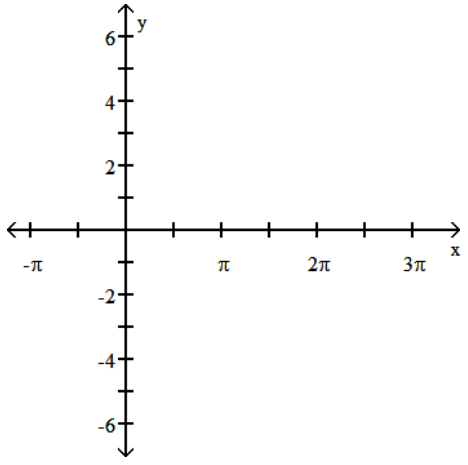
M141
Dr. Ougouag

Worksheet 2.4 - 2.5

Use transformations to graph the function.

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



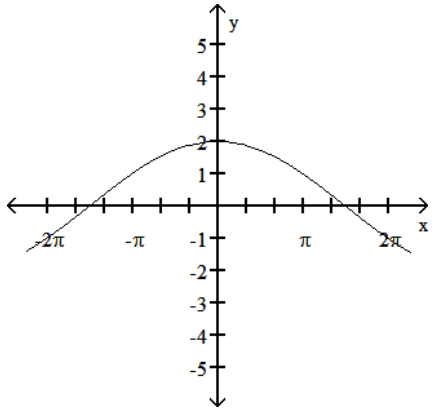
Without graphing the function, find the amplitude and the period

2) $y = 5 \cos \frac{1}{3}x$ 2) _____

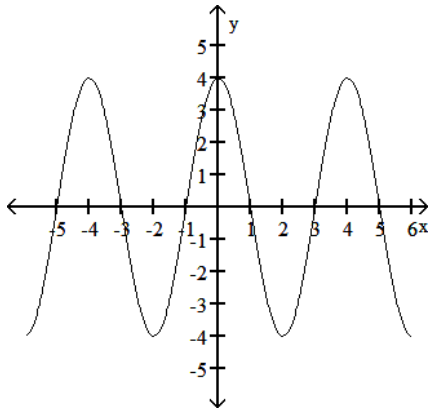
3) $y = \frac{9}{8} \sin (-\frac{6\pi}{5}x)$ 3) _____

Find an equation for the graph.

4) 4) _____

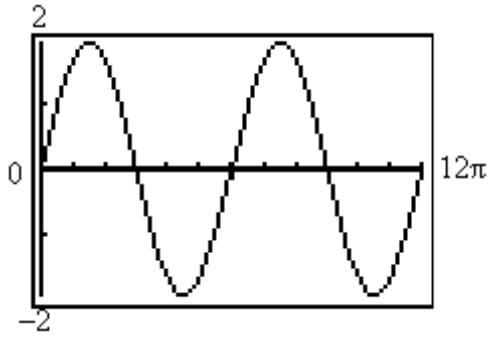


5) 5) _____



Answer the question.

6) Which one of the equations below matches the graph? 6) _____



A) $y = 2\cos(3x)$ B) $y = 2\cos\left(\frac{1}{3}x\right)$ C) $y = 2\sin\left(\frac{1}{3}x\right)$ D) $y = -2\sin\left(\frac{1}{3}x\right)$