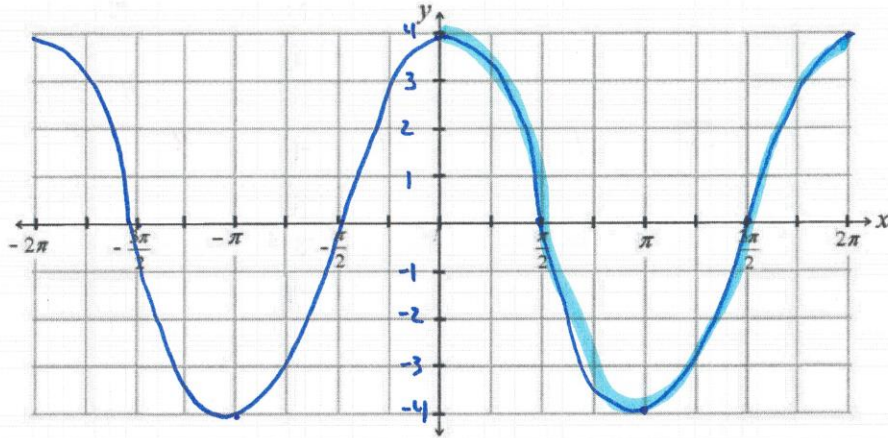


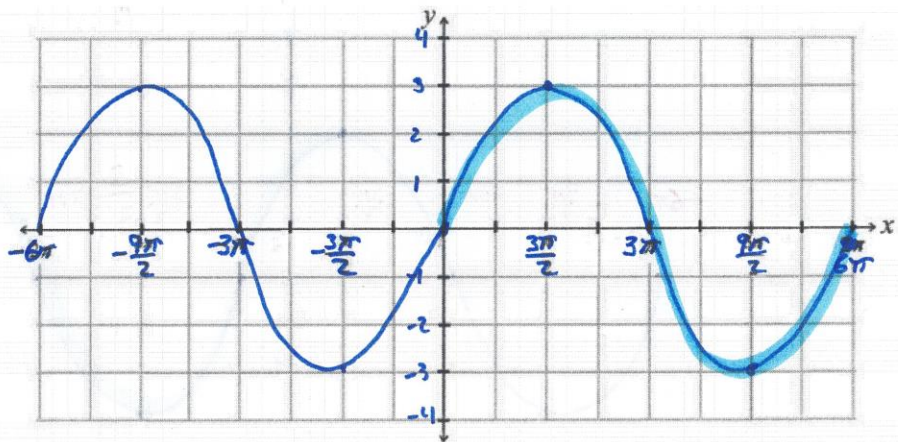
Chapter 6 graphing sine and cosine.

1. $y = 4 \cos x$

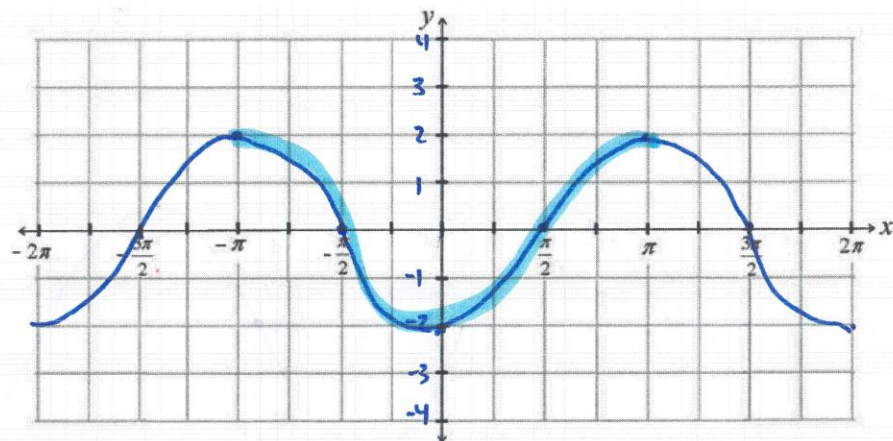


2. $y = 3 \sin \frac{1}{3} x$

$\frac{2\pi}{\frac{1}{3}} = 6\pi$



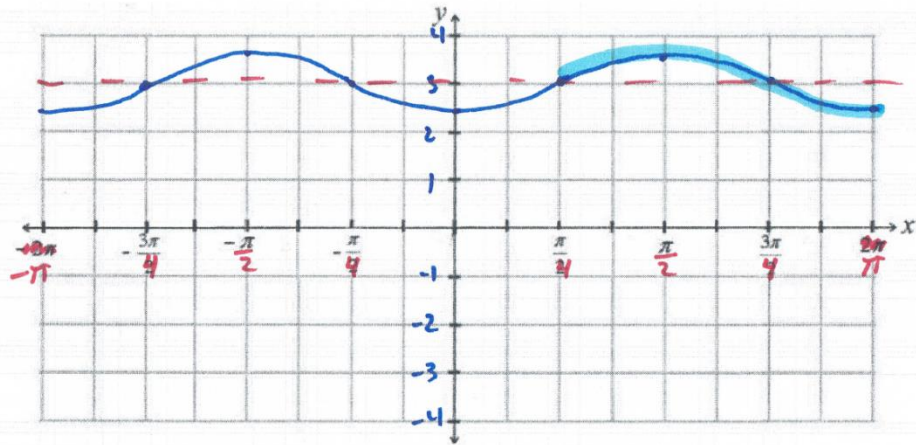
3. $y = 2 \cos(x + \pi)$



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

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

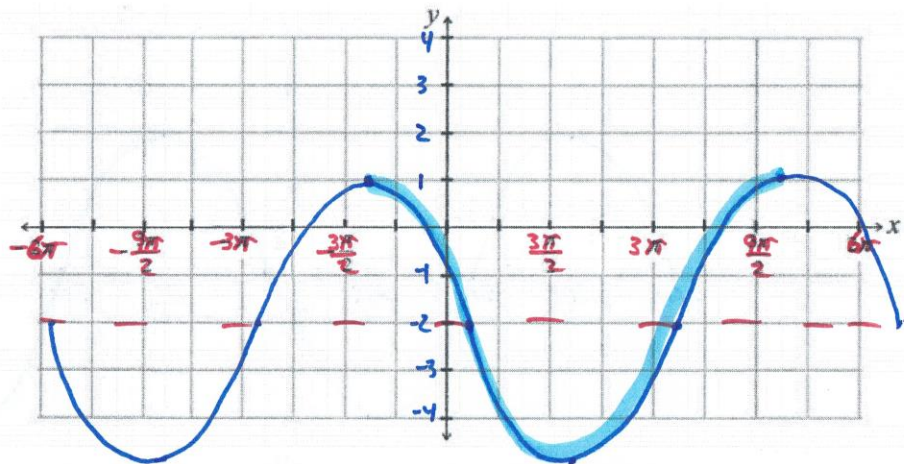
$\frac{2x}{2} = \pi$



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

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

$\frac{2x}{\frac{1}{3}} = 6x$



6. $y = -4 + 5 \sin(3x - 6\pi)$

$y = 5 \sin(3(x - 2\pi)) - 4$

$\frac{2x}{3}$

