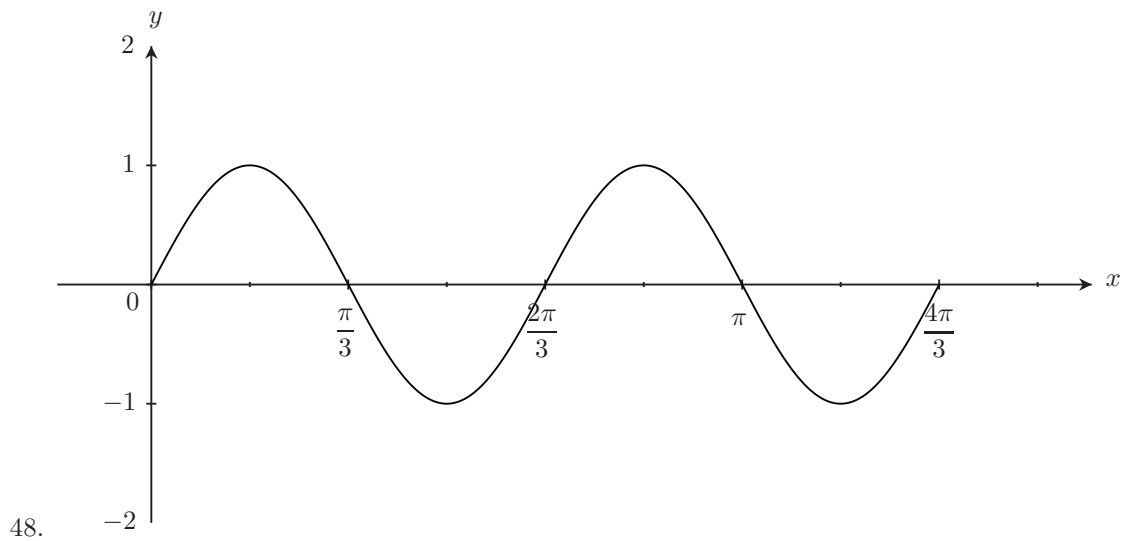
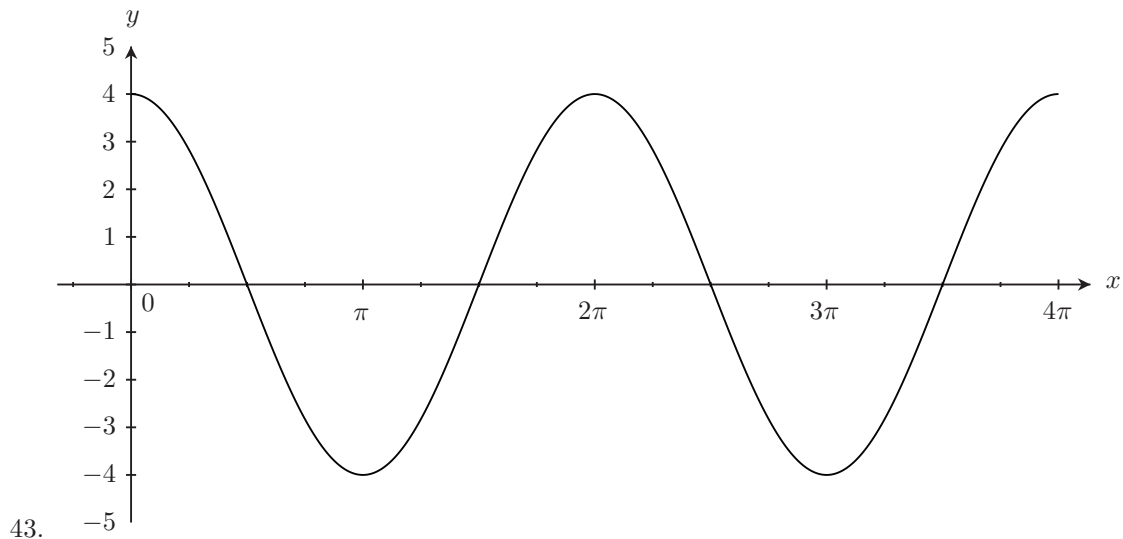


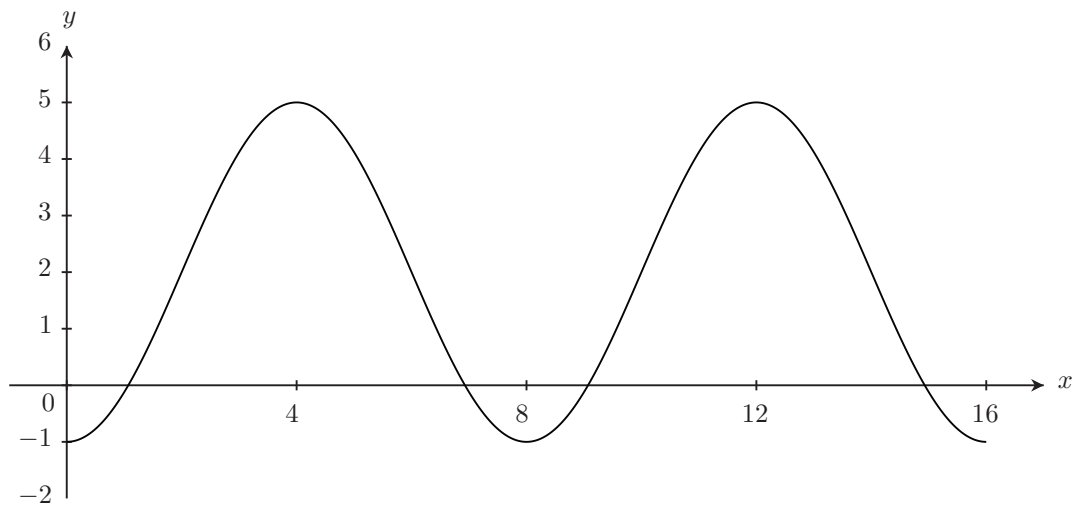
## Math 121 – Section 6.4 Solutions

19. amplitude = 2, period =  $2\pi$

21. amplitude = 4, period =  $\frac{2\pi}{2} = \pi$

22. amplitude = 1, period =  $\frac{2\pi}{\frac{1}{2}} = 4\pi$





60.

72.  $y = 4 \sin \frac{x}{4}$

73.  $y = -3 \cos \frac{x}{2}$

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