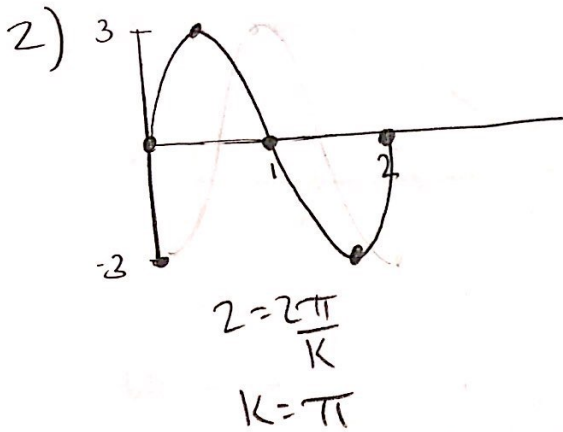


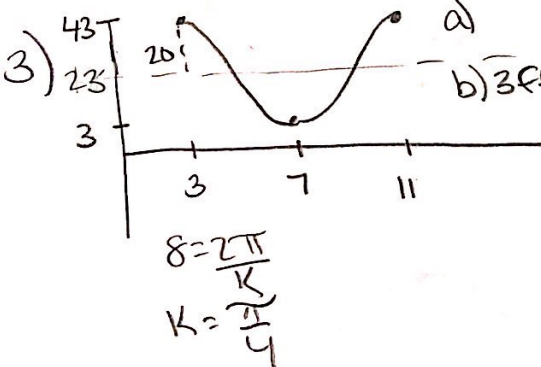
6 rpm
 1 rev = 10 seconds

$$d(t) = 7 \cos \frac{\pi}{5} (x-2) + 6$$

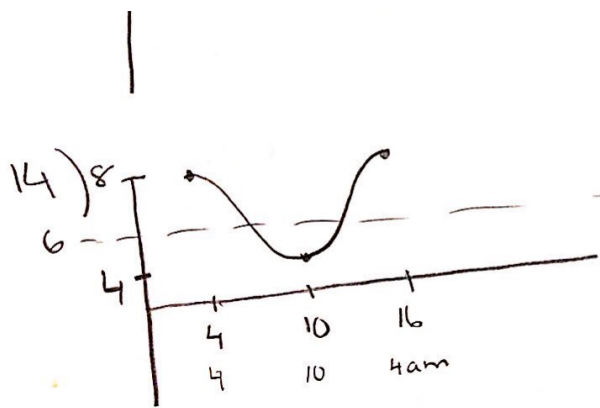


$$y = 3 \sin \pi x$$

$x = .11$ and $.89$



a) c) $y = 20 \cos \frac{\pi}{4} (x-3) + 23$
 b) $3\pi k$ d) $x = 6$
 $x = 9$
 $x = 0$



$$d(t) = 2 \cos \frac{\pi}{2}(x-4) + 6$$

$$24 = \frac{25\pi}{K}$$

$$K = \frac{\pi}{12}$$