

f r q

Model Solution

$$m(x) = \frac{9}{2} \Rightarrow \cos(2x) + 4 = \frac{9}{2}$$

$$\cos(2x) = \frac{1}{2}$$

$$2x = \frac{\pi}{3} + 2\pi n \text{ or } 2x = \frac{5\pi}{3} + 2\pi n$$

$$x = \frac{\pi}{6} + \pi n \text{ or } x = \frac{5\pi}{6} + \pi n, \text{ where } n \text{ is any integer.}$$
