

Problem 10: $y = 3 \cos\left(\frac{3}{4}x - \frac{\pi}{2}\right) - 1$. Find

(a) the amplitude: 3

(b) the period: $\frac{2\pi}{3/4} = \frac{8\pi}{3}$

(c) the phase shift: $\frac{2\pi}{3}$

(d) graph one complete period and mark the four relevant points.

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

