1. Graph one period of the following function:
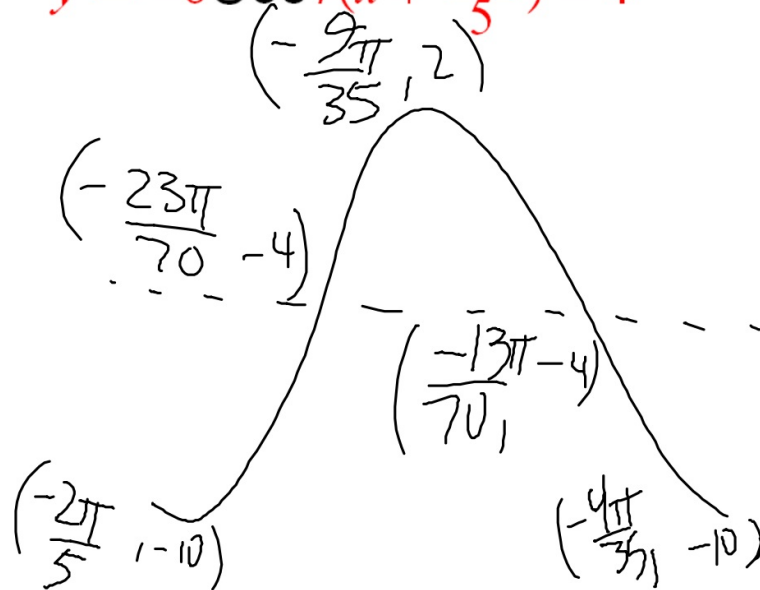
$$y = -6\cos7(x + \frac{2\pi}{5}) - 4$$

Amp = 6

midline
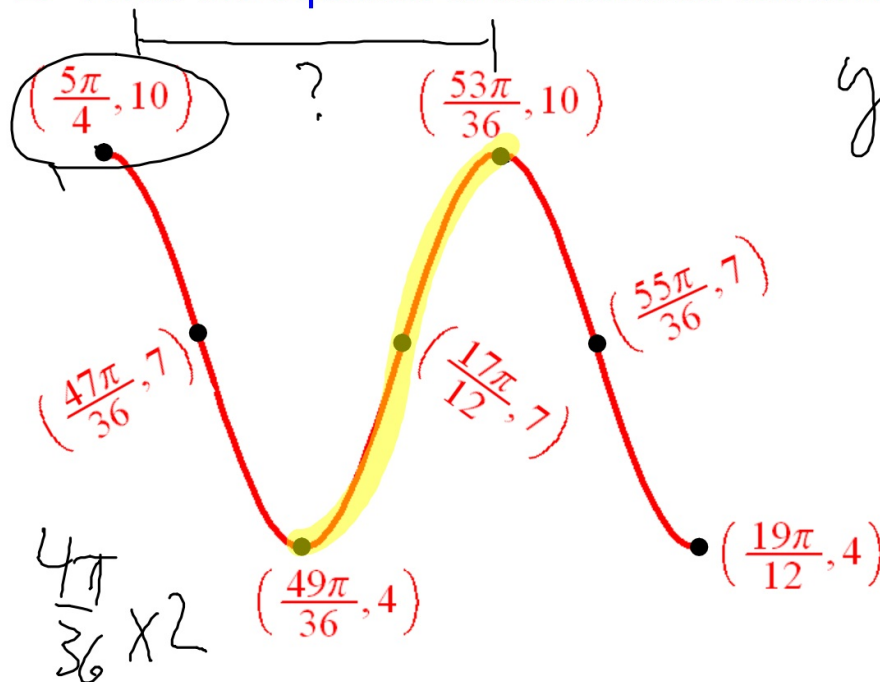
$y = -4$

period $= \frac{2\pi}{7}$

$y = -4$

$(-\frac{9\pi}{35}, 2)$

$(-\frac{23\pi}{70}, -4)$

$(\frac{-13\pi}{70}, -4)$

$(-\frac{2\pi}{5}, -10)$

$(-\frac{4\pi}{35}, -10)$

2. Write the equation of the function shown below.

$y = -3\cos9(x - \frac{5\pi}{4}) + 7$

$(\frac{5\pi}{4}, 10)$? $(\frac{53\pi}{36}, 10)$

$(\frac{55\pi}{36}, 7)$

$(\frac{47\pi}{36}, 7)$

$(\frac{17\pi}{12}, 7)$

$(\frac{19\pi}{12}, 4)$

$\frac{4\pi}{36} \times 2$ $(\frac{49\pi}{36}, 4)$