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

$$A = 2 \qquad C = -\frac{\pi}{2}$$

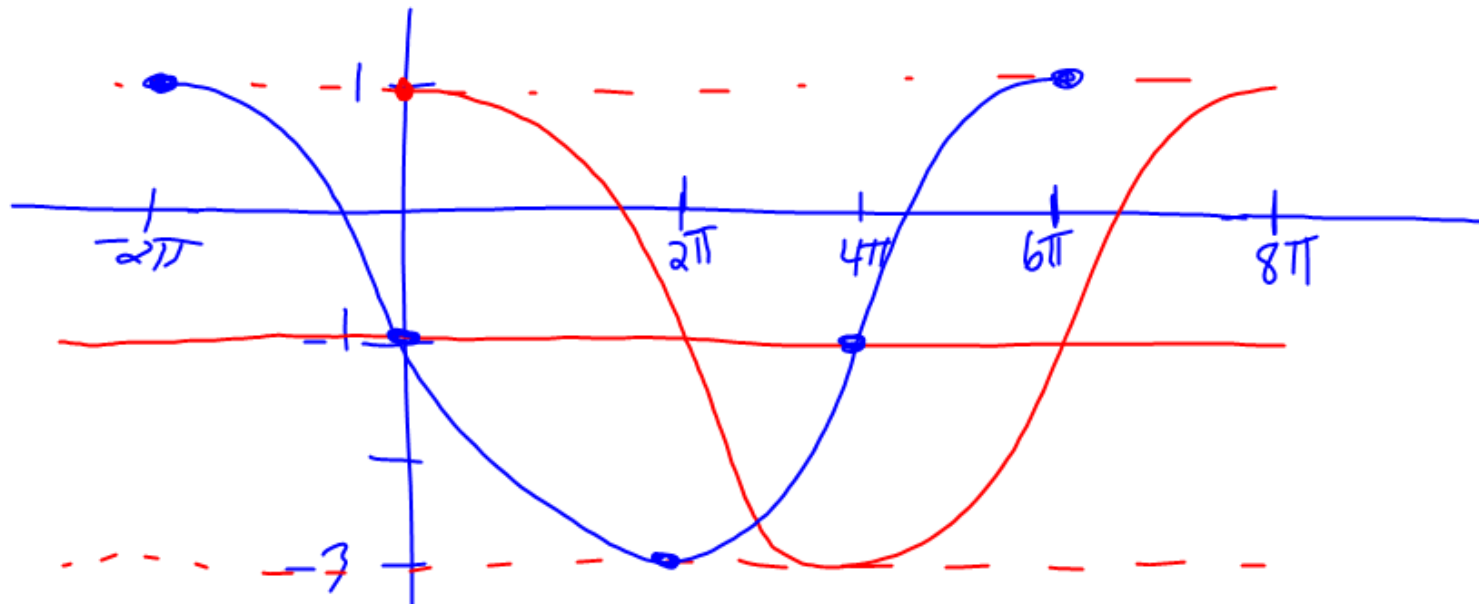$$K = \frac{1}{4} \qquad h = -1$$

$$V.S. = -1 \qquad Ampl = 2 \qquad Per = \frac{2\pi}{\frac{1}{4}} = 8\pi \qquad P.S = \frac{-\frac{\pi}{2}}{\frac{1}{4}} = -\frac{\pi}{2} \cdot \frac{4}{1} = -2\pi$$

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