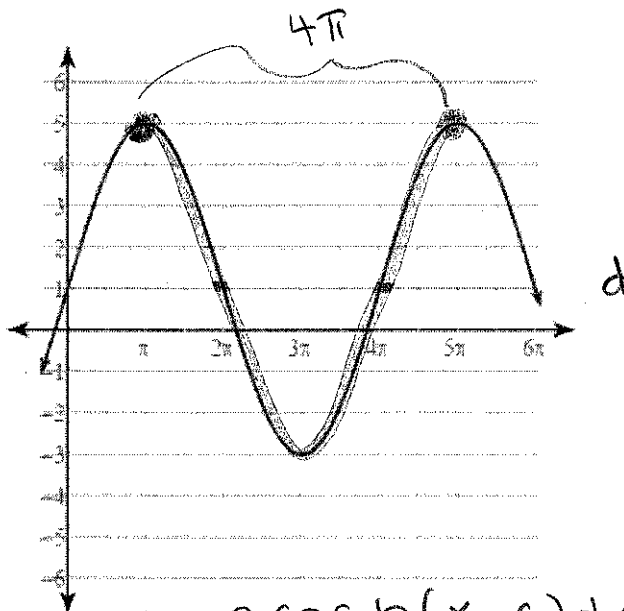


## Warm-up: Writing Equations II

Write the equation of the graph using Cosine:



$$Pd \rightarrow 4\pi = \frac{2\pi}{b}$$

$$\frac{4\pi}{4\pi} b = \frac{2\pi}{4\pi}$$

$$b = \frac{1}{2}$$

$$y = a \cos b(x - c) + d$$

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