This graph has the general shape of a cosine function, so $y = a\cos bx$. The amplitude is 2. The graph has the same orientation as $y = \cos x$, so no reflection has occurred. Therefore $a = 2$.

Now there are four cycles that run from 0 to $\frac{8\pi}{5}$, so the period is $\frac{2\pi}{5}$. Since $\frac{2\pi}{5} = \frac{2\pi}{|b|}$, the value of *b* could be 5. So this could be the graph of $y = 2\cos 5x$.