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

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

$a = \frac{2}{3} \quad b = \frac{\pi}{4}$

$|a| = \left|\frac{2}{3}\right| = \boxed{\frac{2}{3}}$

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

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

$= \boxed{8}$

4. $y = 4\cos(2x)$

$a = 4 \quad b = 2$

$|a| = |4| = 4$

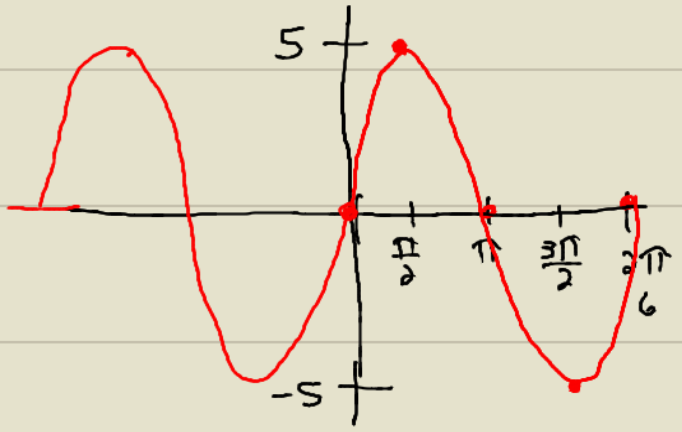
PERIOD $= \frac{2\pi}{b} = \frac{2\pi}{2} = \pi$

(B)

5. $y = 5\sin x$

$|a| = |5| = 5 \quad P = \frac{2\pi}{b} = \frac{2\pi}{1} = 2\pi$

	$X(\theta)$	$y = 5\sin x$
ZERO	0	$5\sin 0 = 5(0) = 0$
$\frac{1}{4}$ PERIOD	$\frac{\pi}{2}$	$5\sin\frac{\pi}{2} = 5(1) = 5$
$\frac{1}{2}$ PERIOD	π	$5\sin\pi = 5(0) = 0$
$\frac{3}{4}$ PERIOD	$\frac{3\pi}{2}$	$5\sin\frac{3\pi}{2} = 5(-1) = -5$
PERIOD	2π	$5\sin 2\pi = 5(0) = 0$



DOMAIN: $(-\infty, \infty)$

RANGE: $[-5, 5]$