HOW OFTEN DID THE STUDENT WHO GOT "C" ON HIS TRIG FUNCTIONS TEST DO HIS HOMEWORK?

$$f(x) = A\sin(Bx)$$
 $f(x) = A\cos(Bx)$

|A| = Amplitude

B represents the number of complete waves in an interval of 2π , therefore $\frac{2\pi}{B}$ = Period

1) $f(x) = 2\sin x$	$2) f(x) = \sin(2x)$	$3) f(x) = \sin\frac{x}{4}$	4) $f(x) = \cos\left(\frac{1}{2}x\right)$
5) $f(x) = \cos(3x)$	$6) f(x) = \frac{1}{2}\sin(3x)$	9) $f(x) = \frac{3}{2}\sin\left(\frac{1}{2}x\right)$	10) $f(x) = 4\cos(\pi x)$
7) $f(x) = 3\sin(2x)$	8) $f(x) = 4\sin x$	$11) f(x) = 3 \sin \frac{x}{3}$	$12) f(x) = 2\cos(3x)$

Match each function from above with a graph below.



