

Determine the amplitude and period of each function.

1. $y = \sin 4x$
Amplitude = _____
Period = _____

2. $y = \cos 5x$
Amplitude = _____
Period = _____

3. $y = \sin x$
Amplitude = _____
Period = _____

4. $y = 4 \cos x$
Amplitude = _____
Period = _____

5. $y = -2 \sin x$
Amplitude = _____
Period = _____

6. $y = 2 \sin (-4x)$
Amplitude = _____
Period = _____

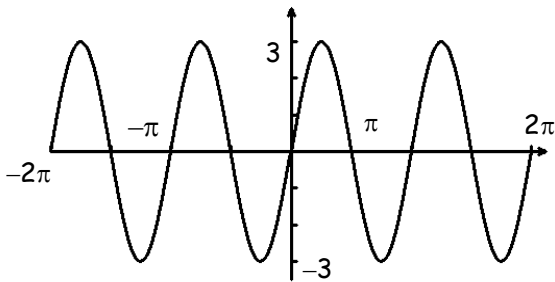
7. $y = 3 \sin \frac{2}{3}x$
Amplitude = _____
Period = _____

8. $y = -4 \cos 5x$
Amplitude = _____
Period = _____

9. $y = 3 \cos (-2x)$
Amplitude = _____
Period = _____

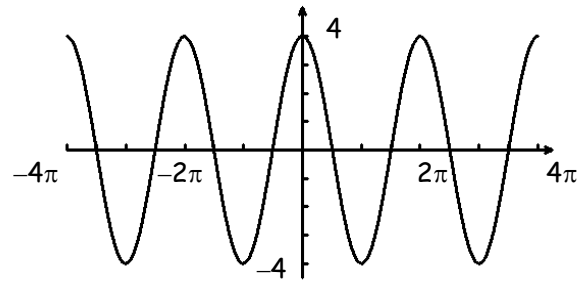
Give the amplitude and period of each function graphed below. Then write an equation of each graph.

10.



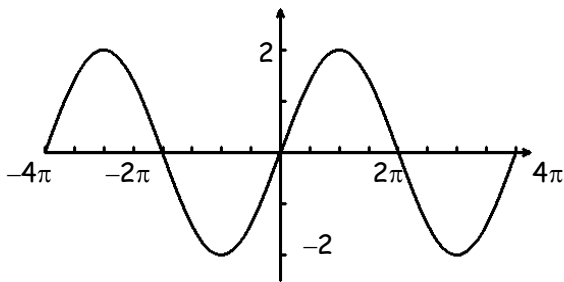
Amplitude = _____
Period = _____
Equation: _____

11.



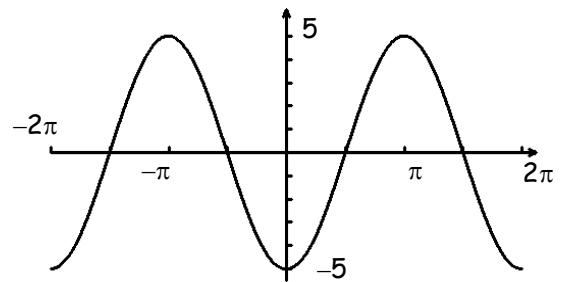
Amplitude = _____
Period = _____
Equation: _____

12.



Amplitude = _____
Period = _____
Equation: _____

13.



Amplitude = _____
Period = _____
Equation: _____