Name_____

Graphs of Sine and Cosine Functions

Period_____ Group #_____

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=_____

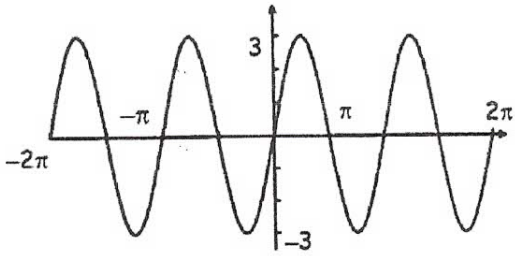
9. $y = 3 \cos(-2x)$

Amplitude=_____

Period=_____

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

10.

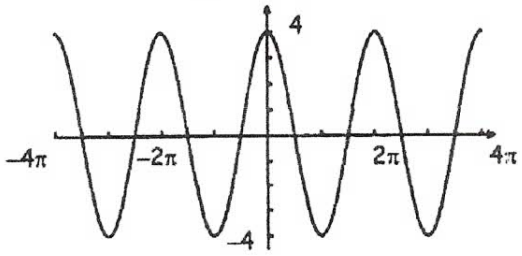


Amplitude = _____

Period = _____

Equation: _____

11.

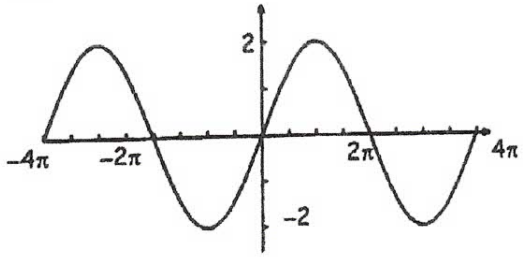


Amplitude=_____

Period=_____

Equation:_____

12.

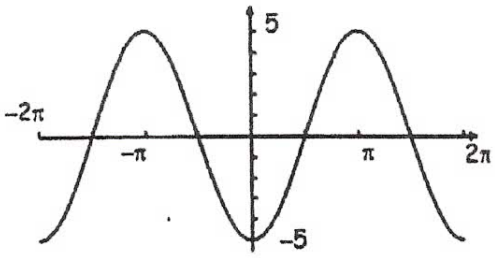


Amplitude = _____

Period = _____

Equation: _____

13.



Amplitude=_____

Period=_____

Equation:_____