



1. Identify the amplitude and period of

1. $y = \sin 4x$

amplitude :

period :

 °

2. $y = \cos 5x$

amplitude :

period :

 °

3. $y = 4 \cos 4x$

amplitude :

period :

 °

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

amplitude :

period :

 °

5. $y = -2 \sin x$

amplitude :

period :

 °



Lesson 9-4

Graphing Sine and Cosine Functions

Trigonometric Functions

2. Identify the amplitude and period of

$$y = -\cos(2x)$$

amplitude

2 ☐1 ☐-0.5 ☐-1 ☐

$$y = 3\sin(5x)$$

amplitude

5 ☐15 ☐3 ☐2 ☐

$$y = 2\cos x + 1$$

amplitude

3 ☐-2 ☐-1 ☐2 ☐

$$y = 0.5\sin x - 3$$

amplitude

1.5 ☐0.5 ☐-2.5 ☐6 ☐

$$f(x) = 3\sin(4\pi x)$$

period

3 ☐ $\frac{1}{2}$ ☐4 ☐ $\frac{4}{3}$ ☐

amplitude

7 ☐1 ☐4 ☐3 ☐

$$f(x) = -10\cos\left(2x + \frac{\pi}{2}\right)$$

period

 2π ☐ a π ☐ b-10 ☐ c5 ☐ d

amplitude

-10 ☐ a5 ☐ b10 ☐ c6 ☐ d