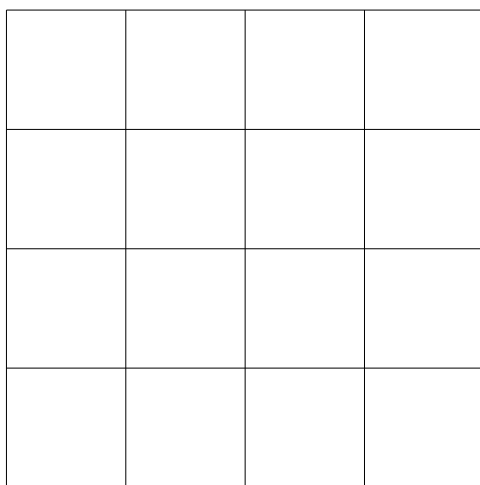


**Classwork 19**  
Intermediate Algebra MTH 35  
**Topic: Graphing Trigonometric functions**

Name: \_\_\_\_\_

Find the amplitude, period, frequency and phase shift for the following functions. Plot them on the given grid by carefully choosing the scale on both the axes.

1.  $y = \sin 2t$



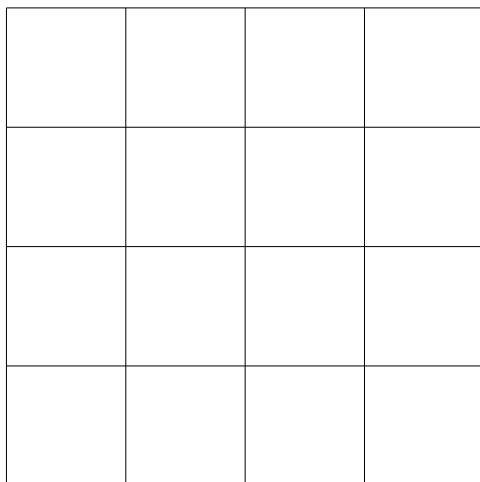
Amplitude= \_\_\_\_\_

Period = \_\_\_\_\_

Frequency = \_\_\_\_\_

Phase shift = \_\_\_\_\_

2.  $y = \cos(t/2)$



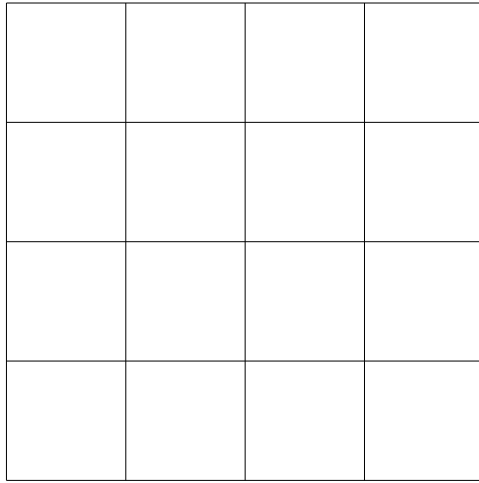
Amplitude= \_\_\_\_\_

Period = \_\_\_\_\_

Frequency = \_\_\_\_\_

Phase shift = \_\_\_\_\_

3.  $y = -2 \cos 3x$



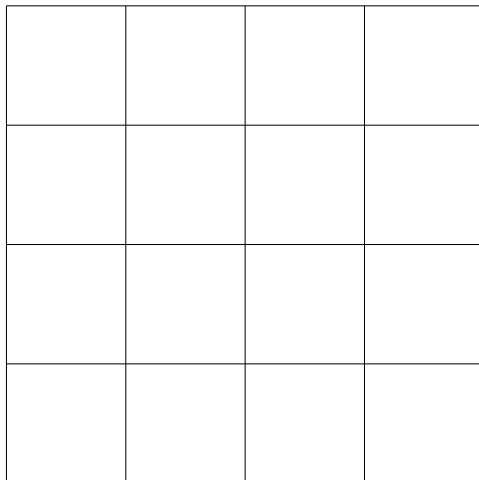
Amplitude= \_\_\_\_\_

Period = \_\_\_\_\_

Frequency = \_\_\_\_\_

Phase shift = \_\_\_\_\_

4.  $y = -4 \sin(x/2)$



Amplitude= \_\_\_\_\_

Period = \_\_\_\_\_

Frequency = \_\_\_\_\_

Phase shift = \_\_\_\_\_