

Name: _____

4.5 Day 1: Sine and Cosine

Transformations

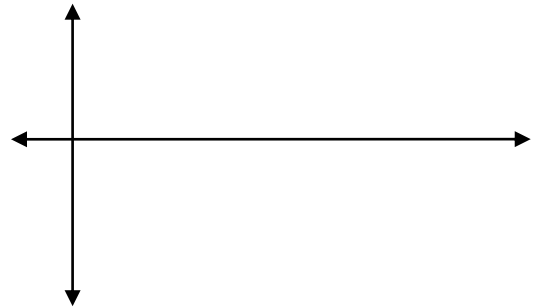
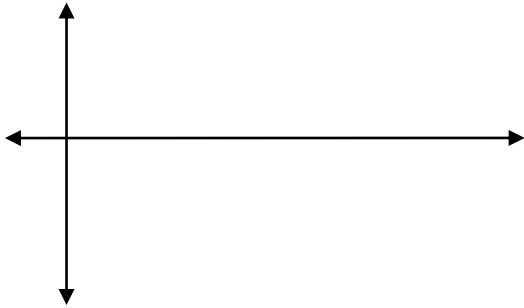
Homework

Sketch the graph of each function for one period.

Determine the amplitude and period for the following trig graphs.

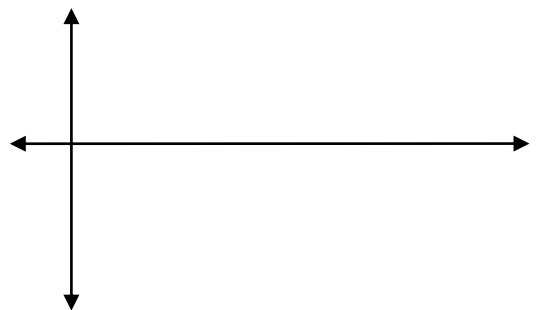
1. $y = 2 \sin 3x$

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



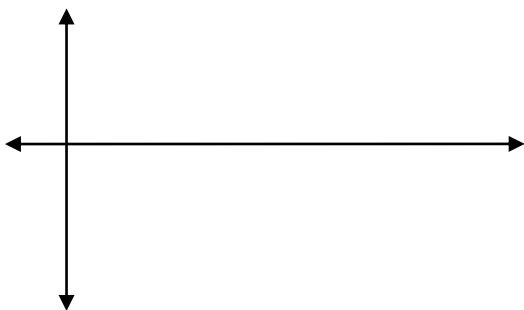
3. $y = 5 \cos 4x$

4. $y = -\sin(1/2x)$

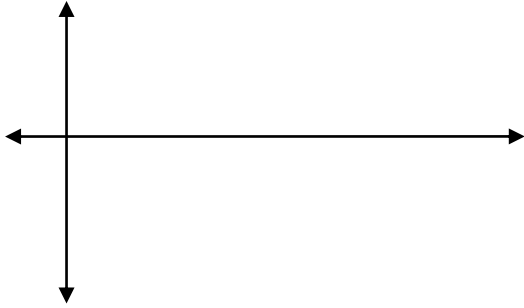


5. $y = \cos 2x$

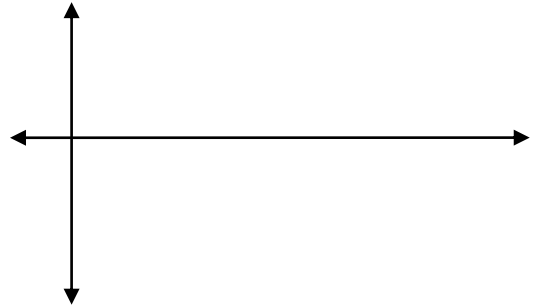
6. $y = -3 \sin x$



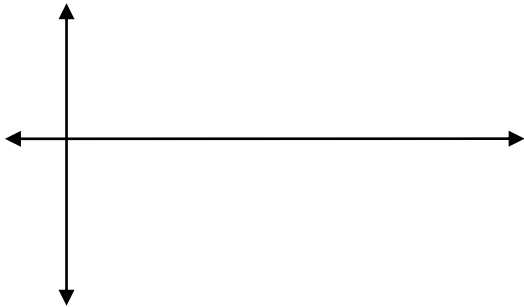
7. $y = \frac{1}{4} \sin 2x$



8. $y = -\cos x$



9. $y = 4 \cos (1/2) x$



10. $y = -2\sin 2x$



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



12. $y = \frac{1}{2} \sin 2x$

