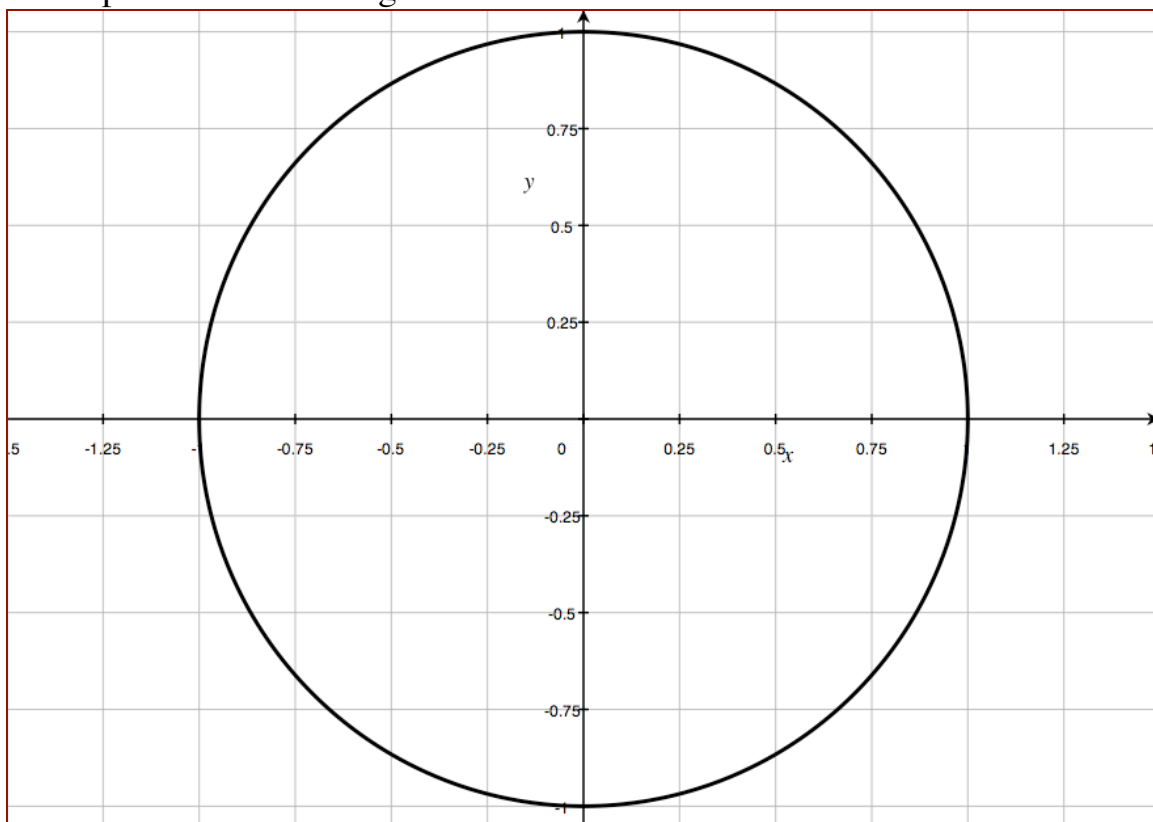


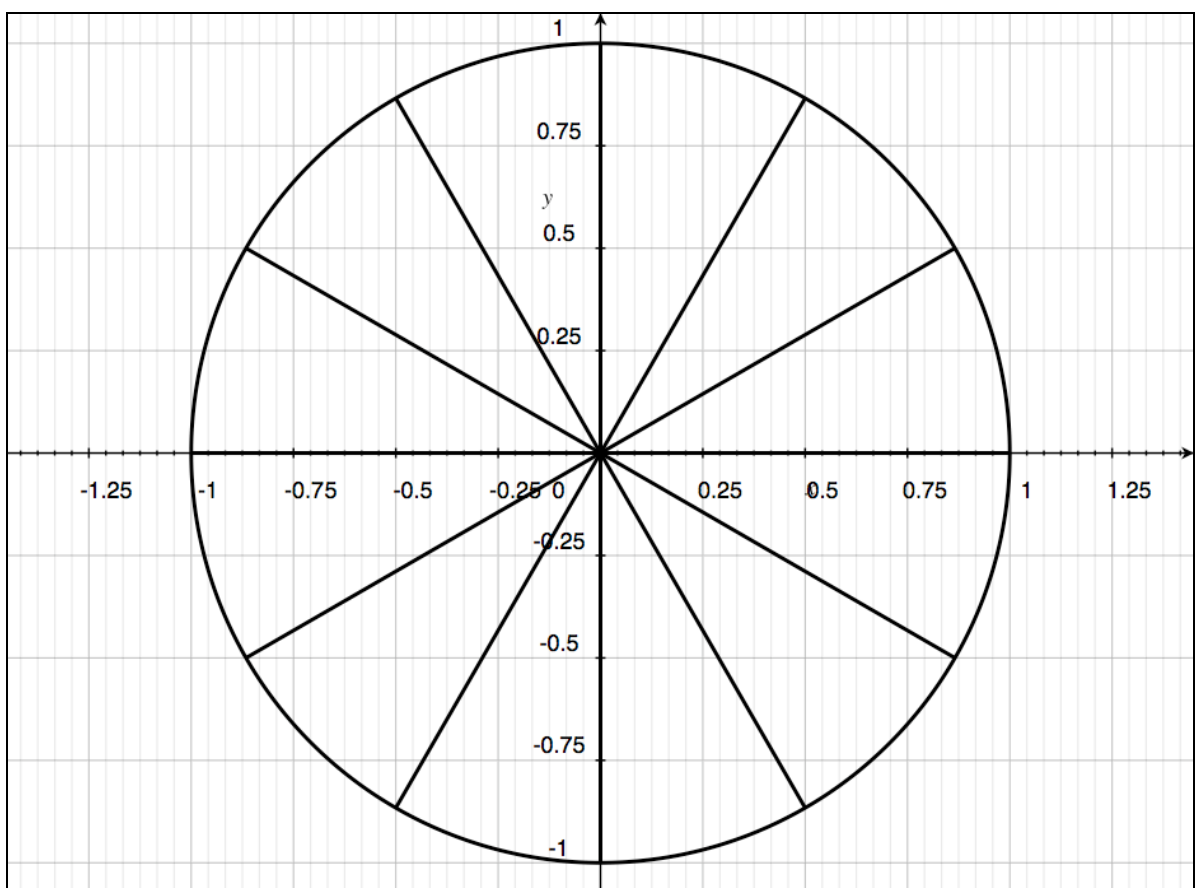
Precalc Warm Up – 12/13/10

Name: _____

Period: _____

- 1) In the unit circle below sketch a 30° angle. Find the x and y-value of the point where the angle intersects with the unit circle.





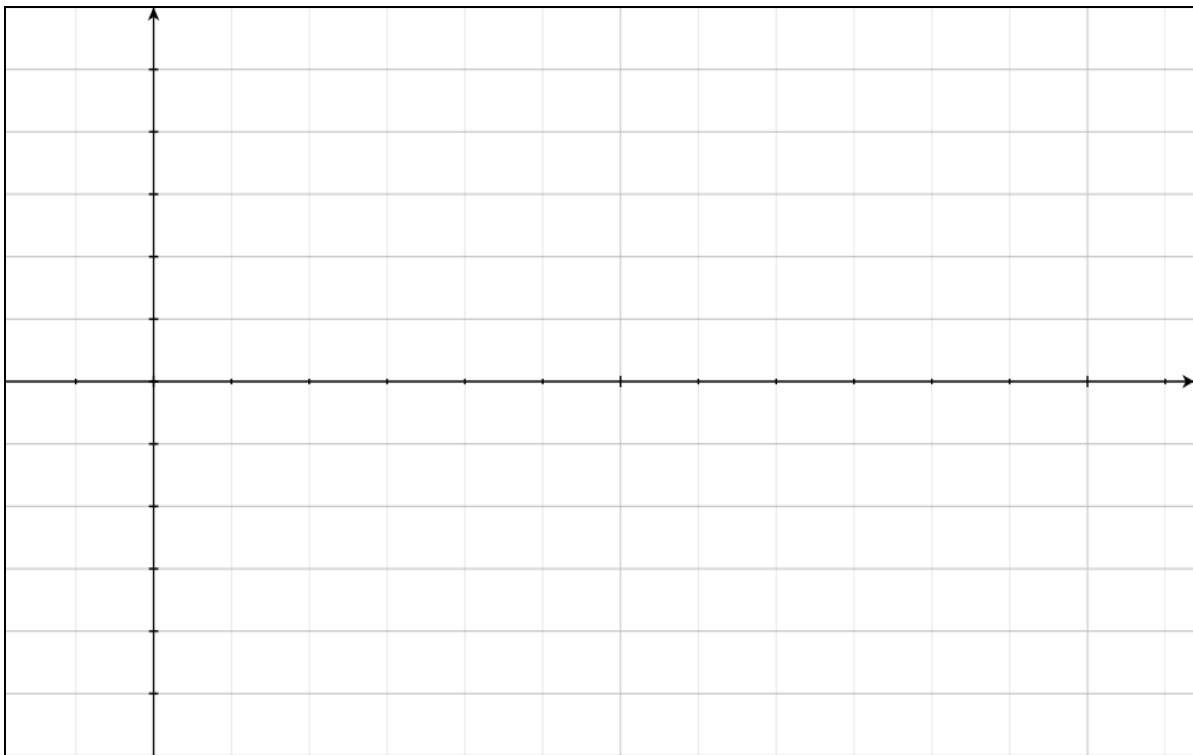
	30°	45°	60°
$\sin \theta =$	$\frac{1}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{3}}{2}$
$\cos \theta =$	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{1}{2}$
$\tan \theta =$	$\frac{\sqrt{3}}{3}$	1	$\sqrt{3}$

Precalc

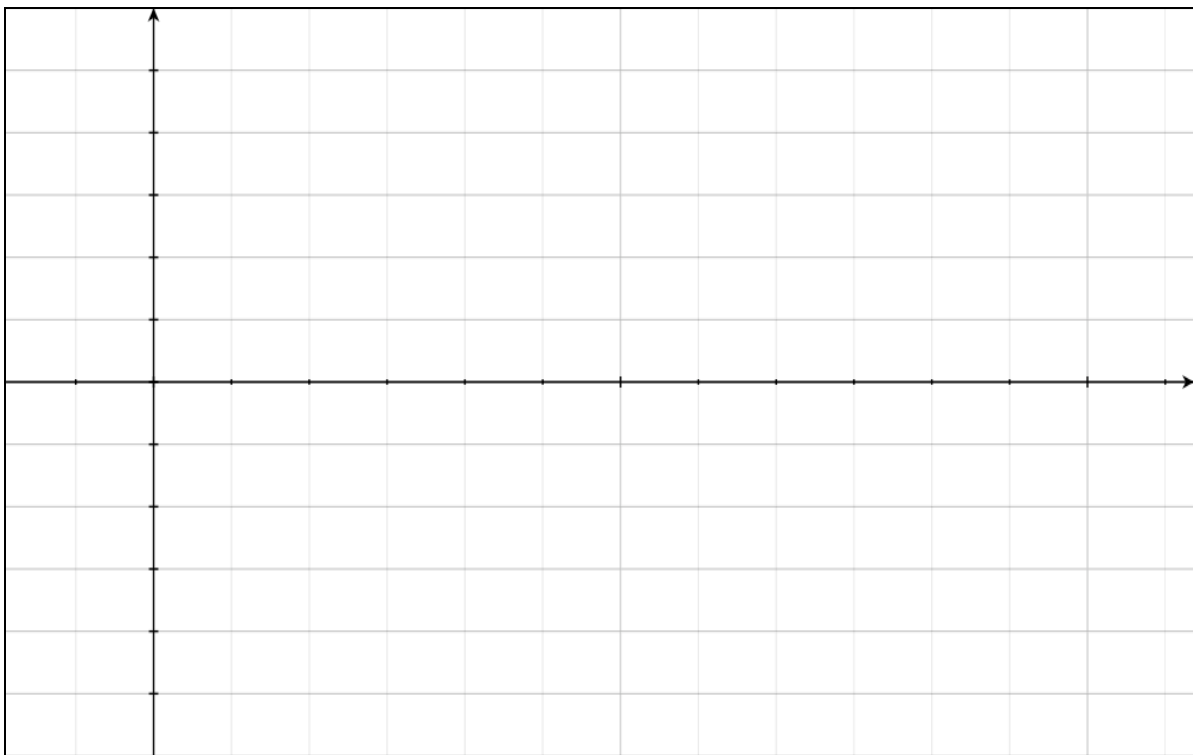
Graphing Sine and Cosine

Name: _____ Date: _____ Period: _____

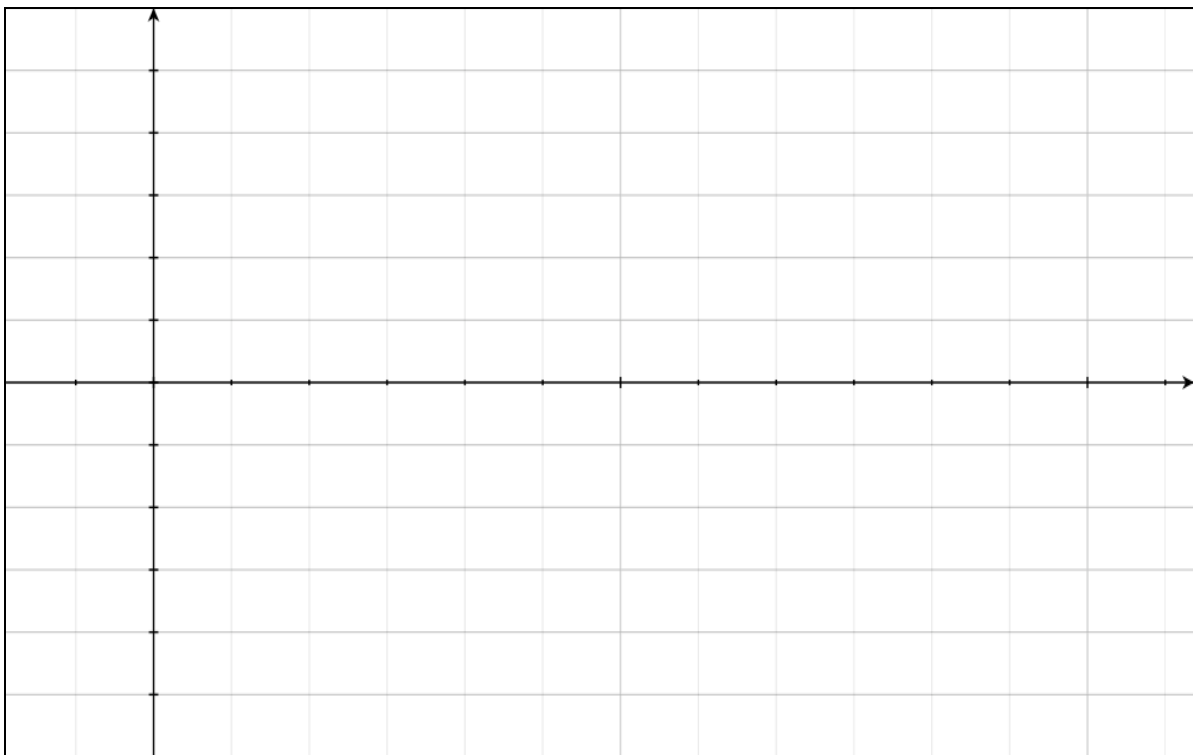
1) Sketch the graph of $f(x) = \sin x$



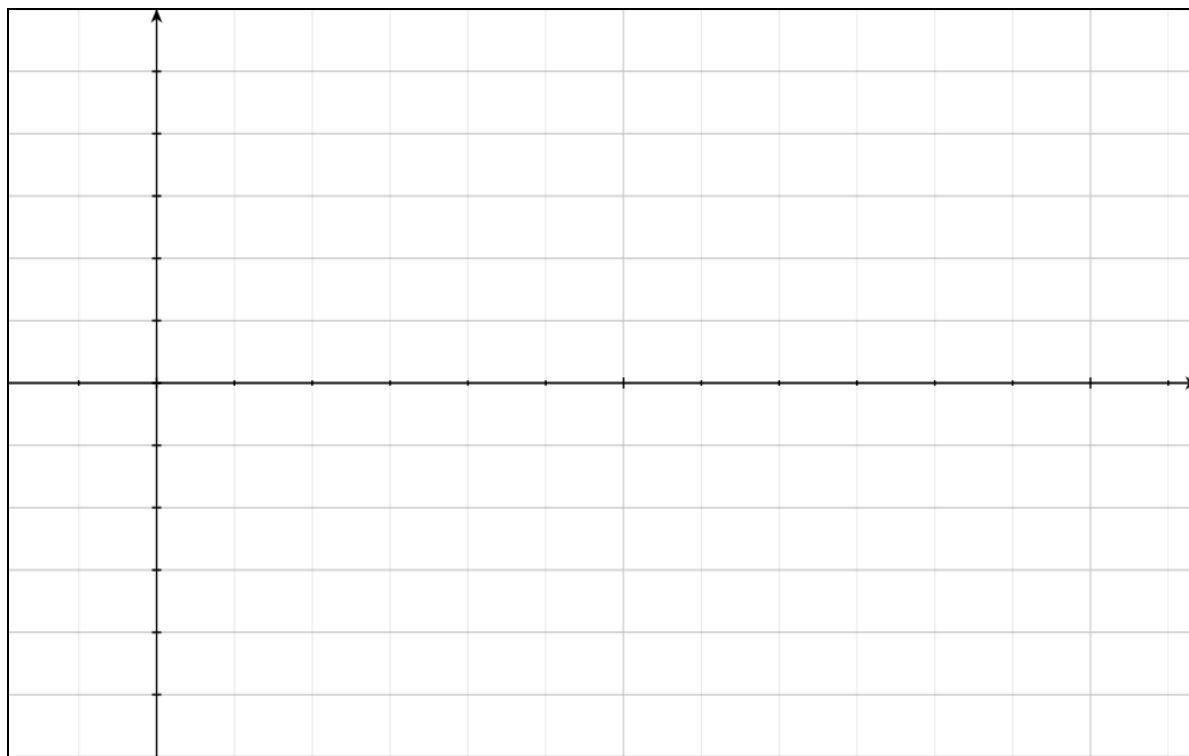
2) Sketch the graph of $f(x) = \sin x$



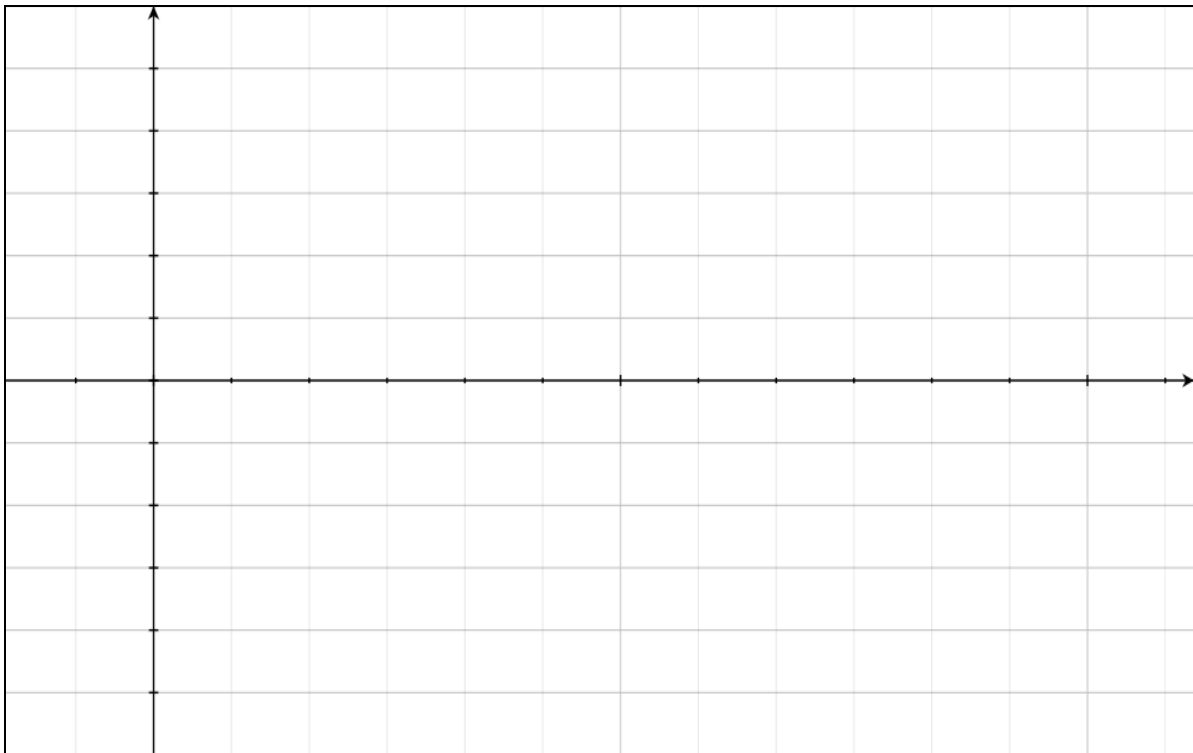
4) Sketch the graph of $f(x) = 2 \sin x$



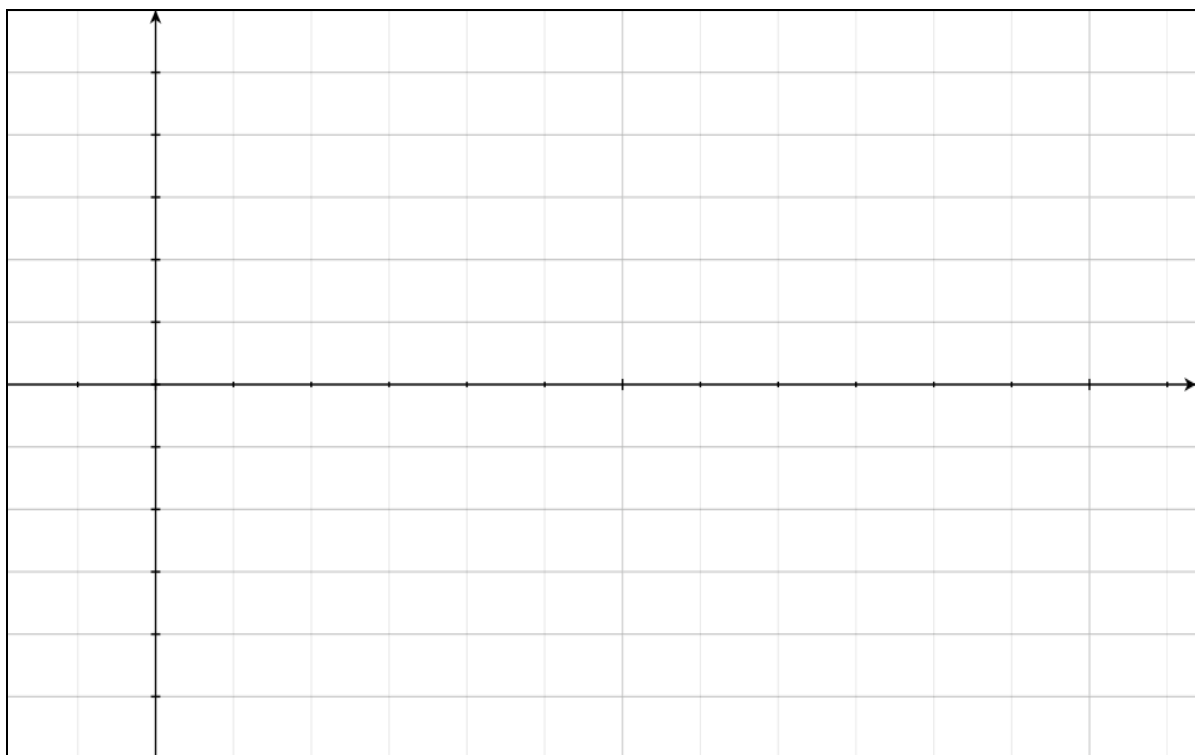
4) Sketch the graph of $f(x) = \sin 2x$



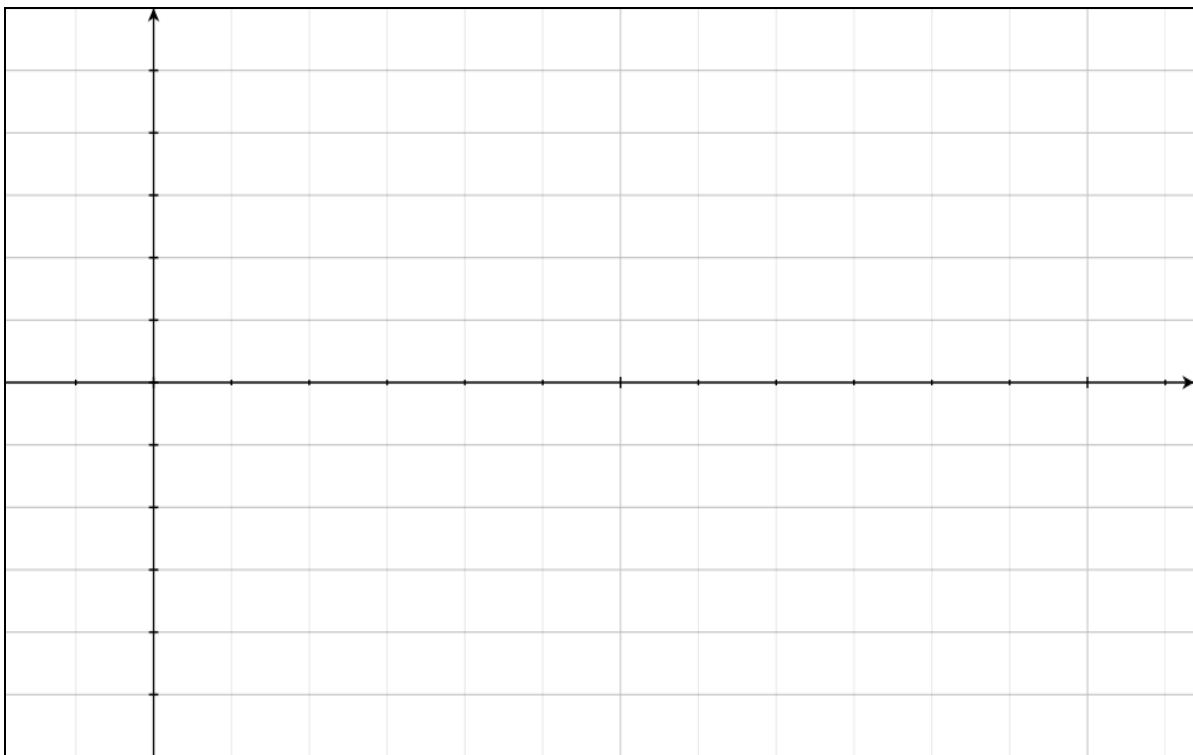
5) Sketch the graph of $f(x) = 4 \sin 2x$



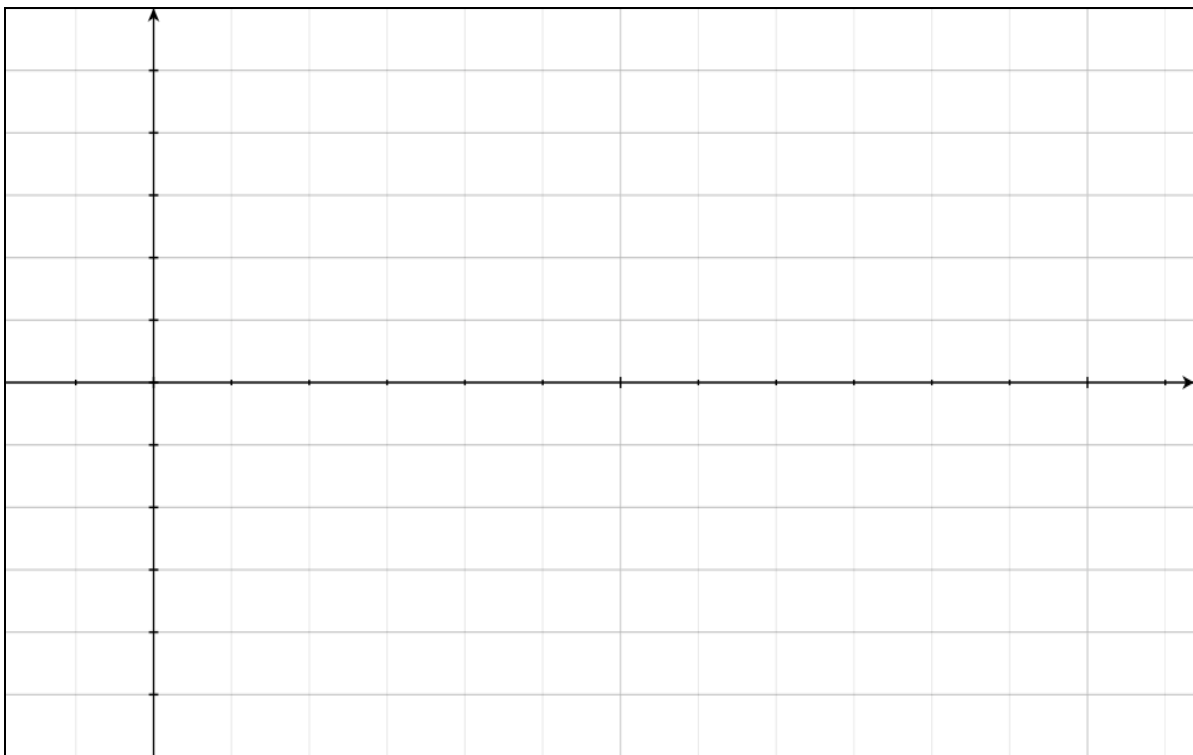
6) Sketch the graph of $f(x) = \cos x$



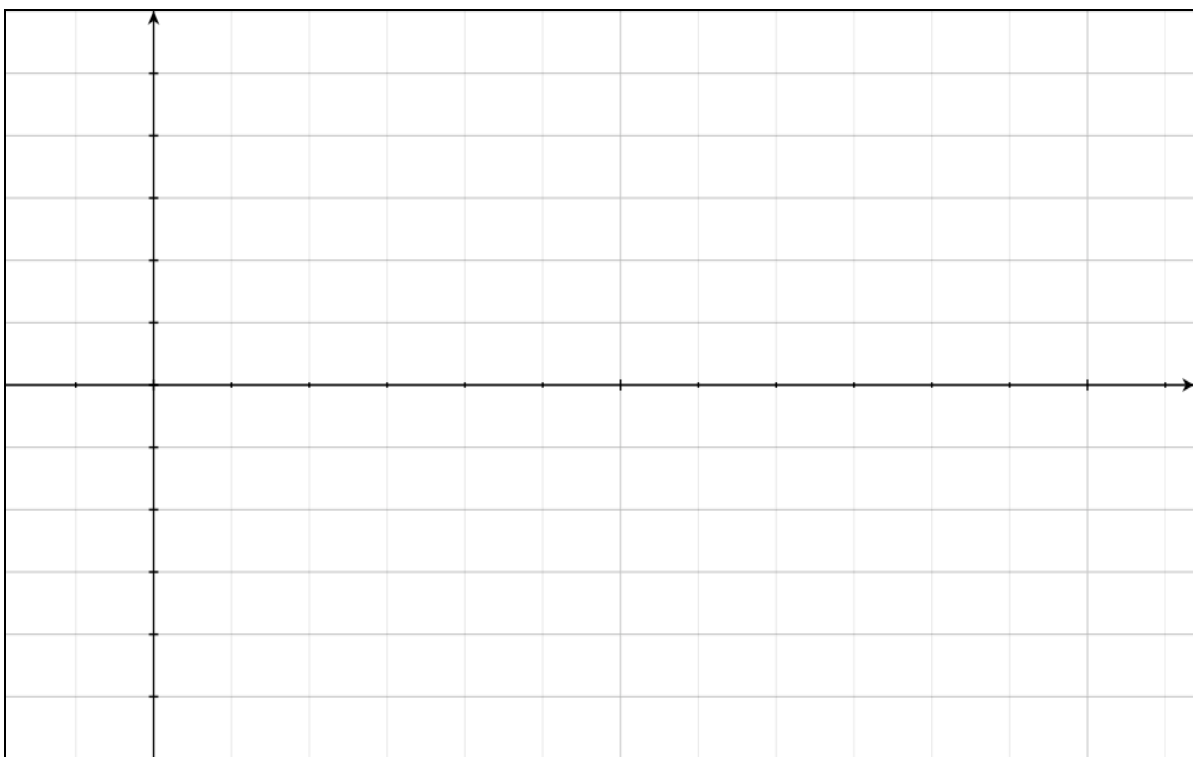
7) Sketch the graph of $f(x) = 2 \cos x$



8) Sketch the graph of $f(x) = \cos 2x$



9) Sketch the graph of $f(x) = 4 \cos 3x$

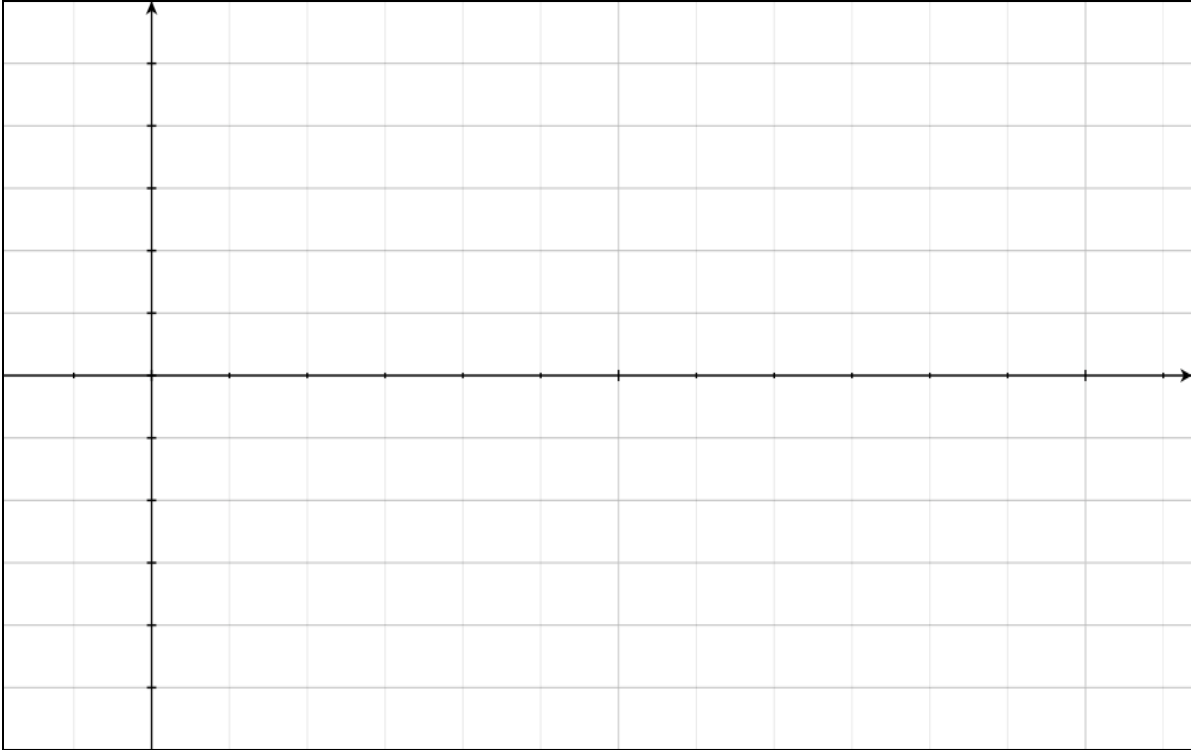


Precalc – Exit Slip – 12/10/10

Name: _____

Period: _____

1) Sketch the graph of $f(x) = \sin x$



Why is $f(x) = \sin x$ periodic (why does it repeat itself?)