

Precalc Warm Up – 12/15/10

Name: _____

Period: _____

1) Identify the period and amplitude for the following functions:

a. $f(x) = \sin x$

b. $f(x) = 4 \sin x$

c. $f(x) = \sin 2x$

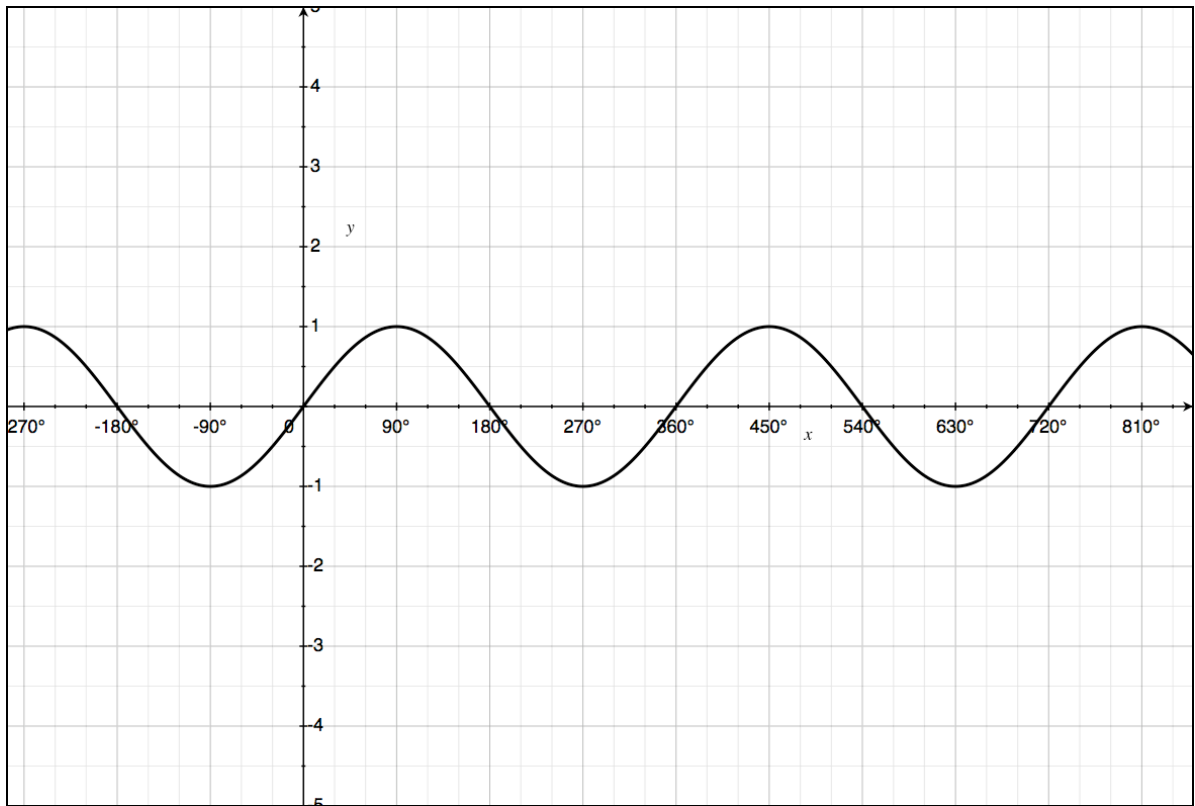
Precalc

Transformations of Sine

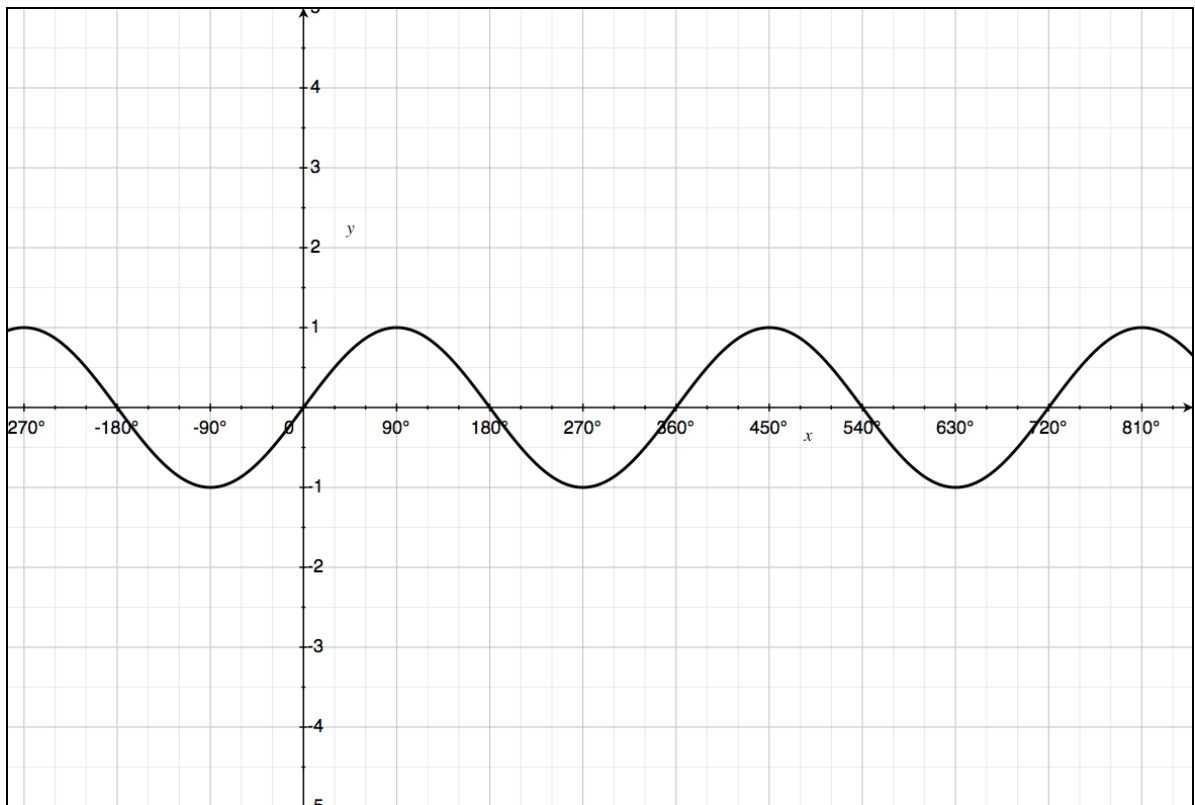
Name: _____ Date: _____ Period: _____

Students will be able to sketch transformations of sine

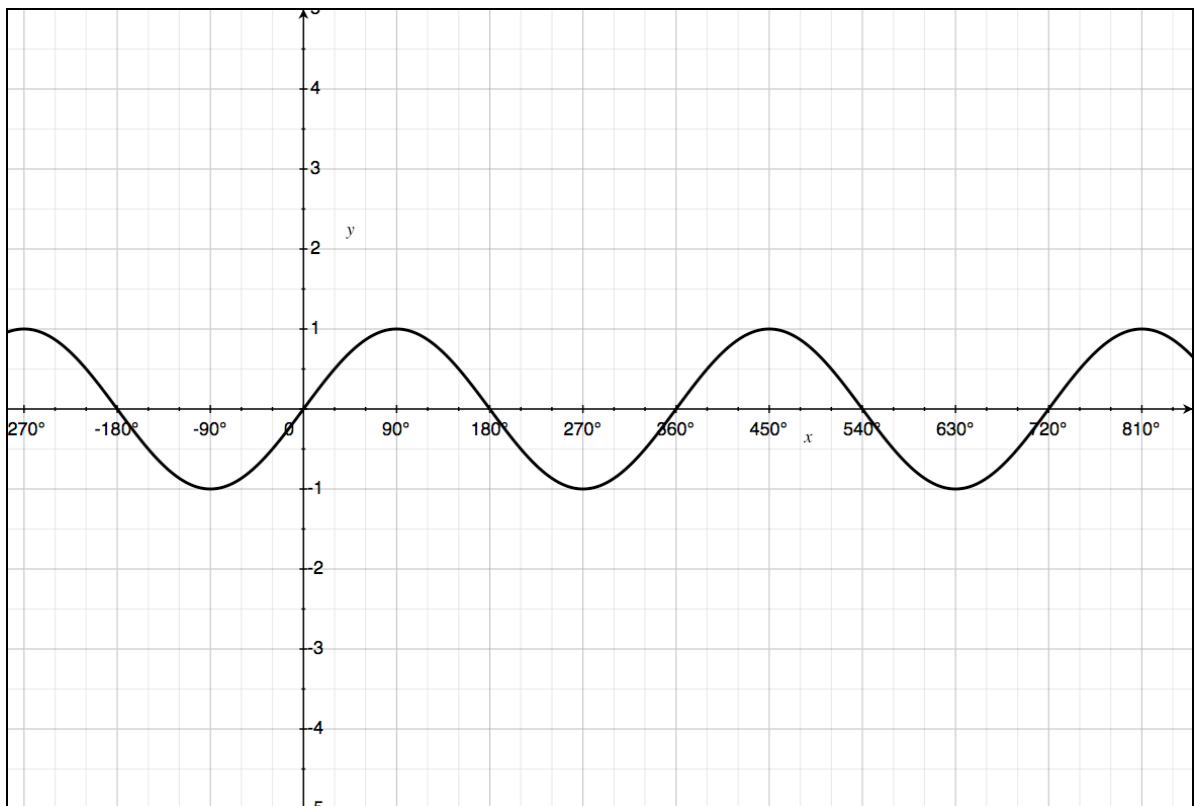
1) Below is a graph of $f(x) = \sin x$



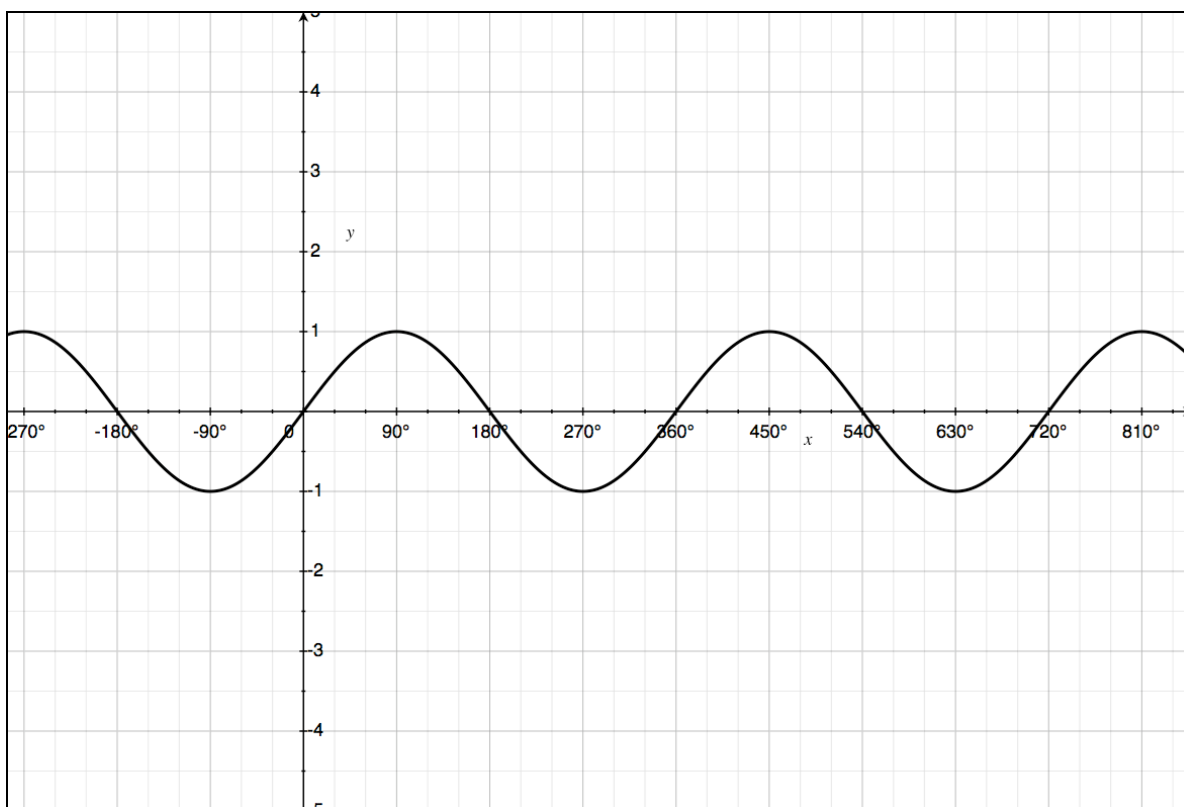
2) Sketch the graph of $f(x) = 3 \sin x$



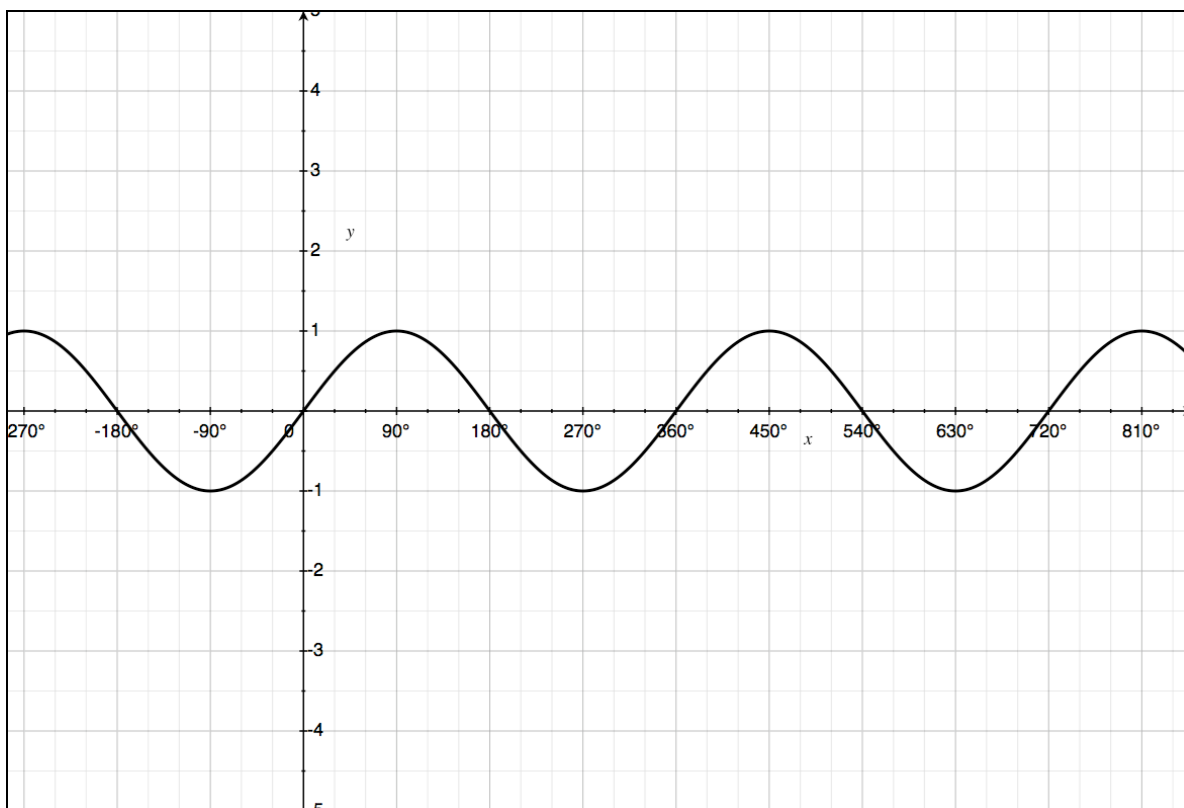
3) Sketch the graph of $f(x) = 2 \sin x$



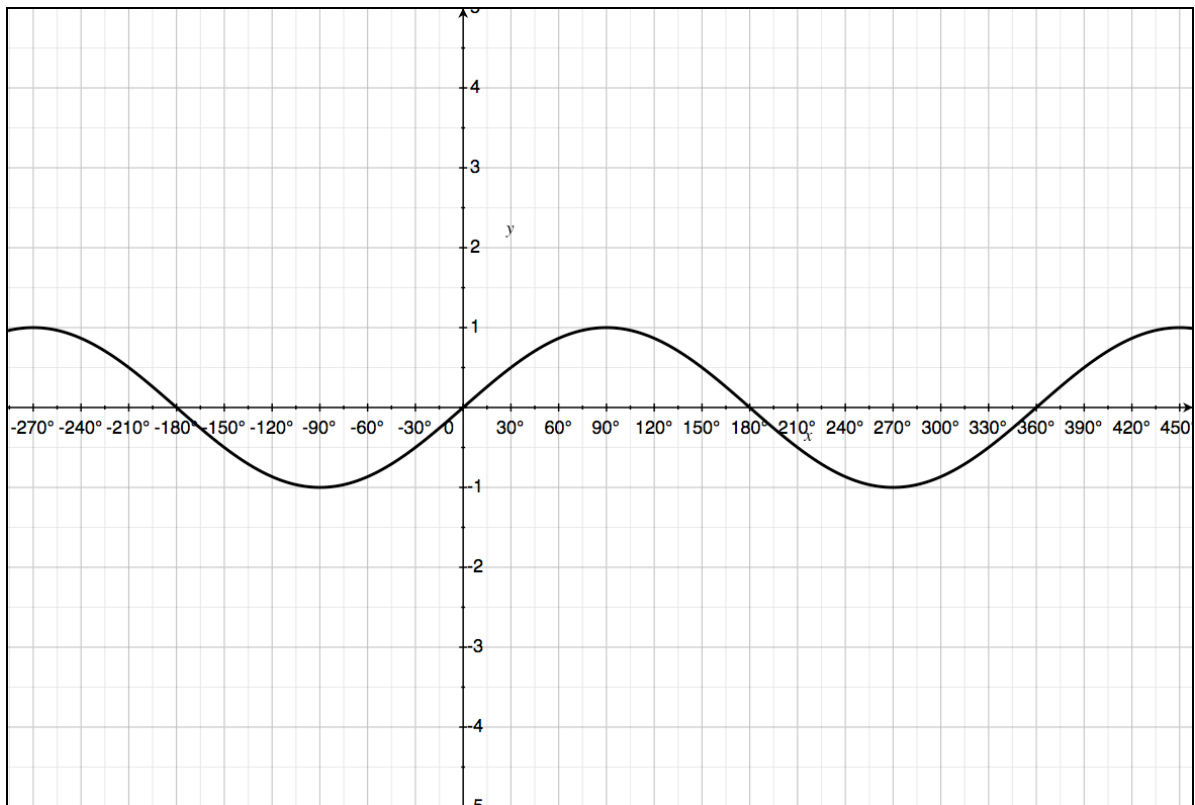
4) Sketch the graph of $f(x) = 1.5 \sin x$



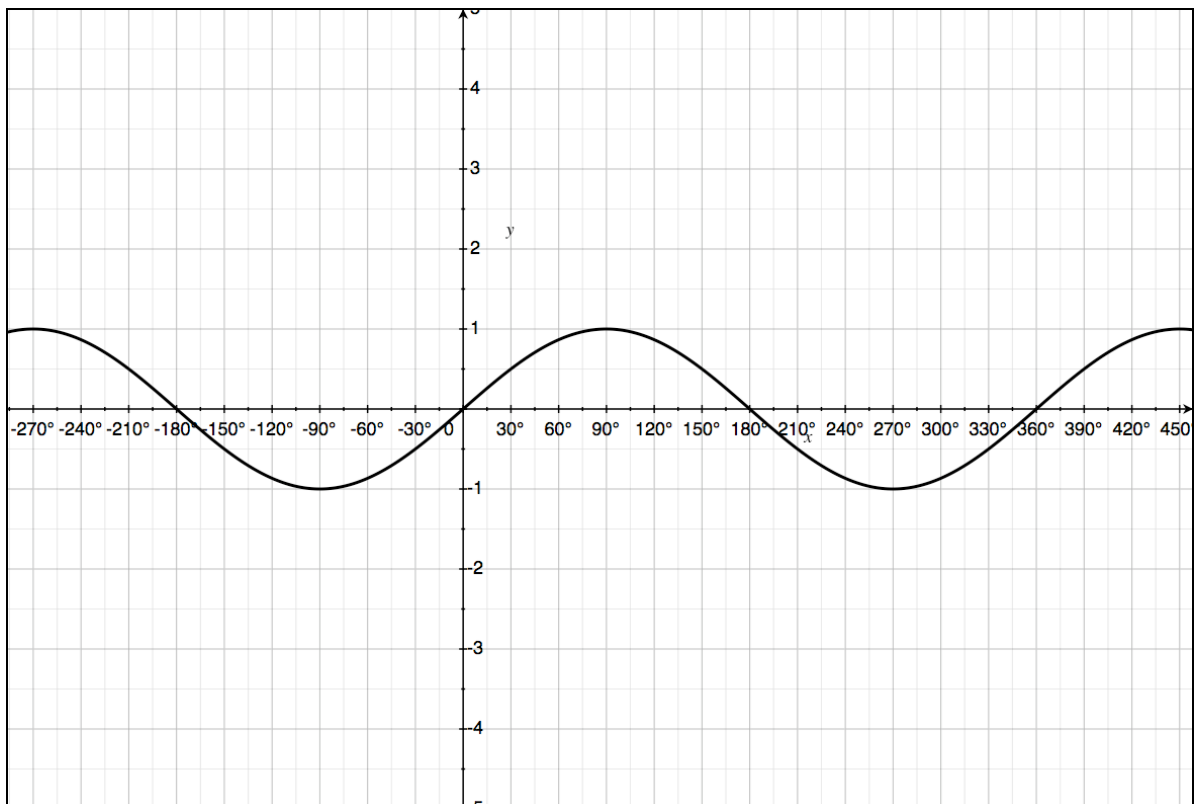
5) Sketch the graph of $f(x) = 2.5 \sin x$



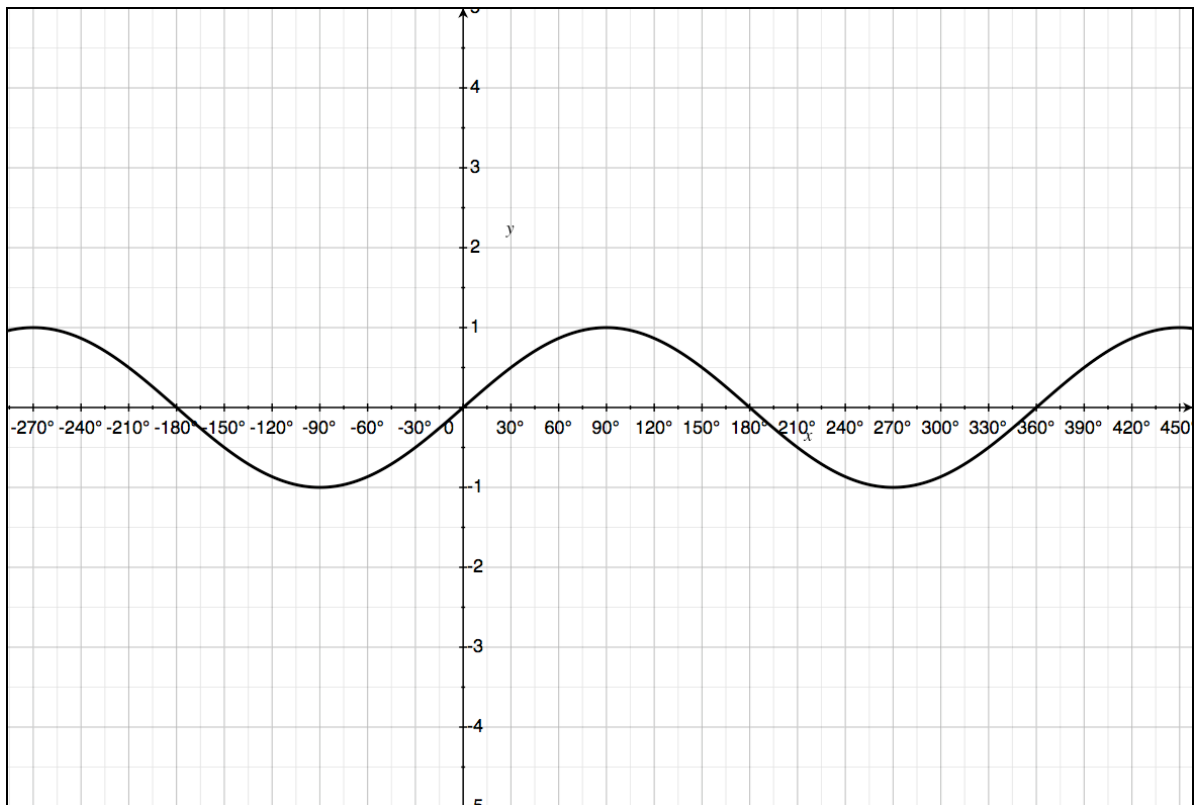
6) Sketch the graph of $f(x) = \sin 2x$



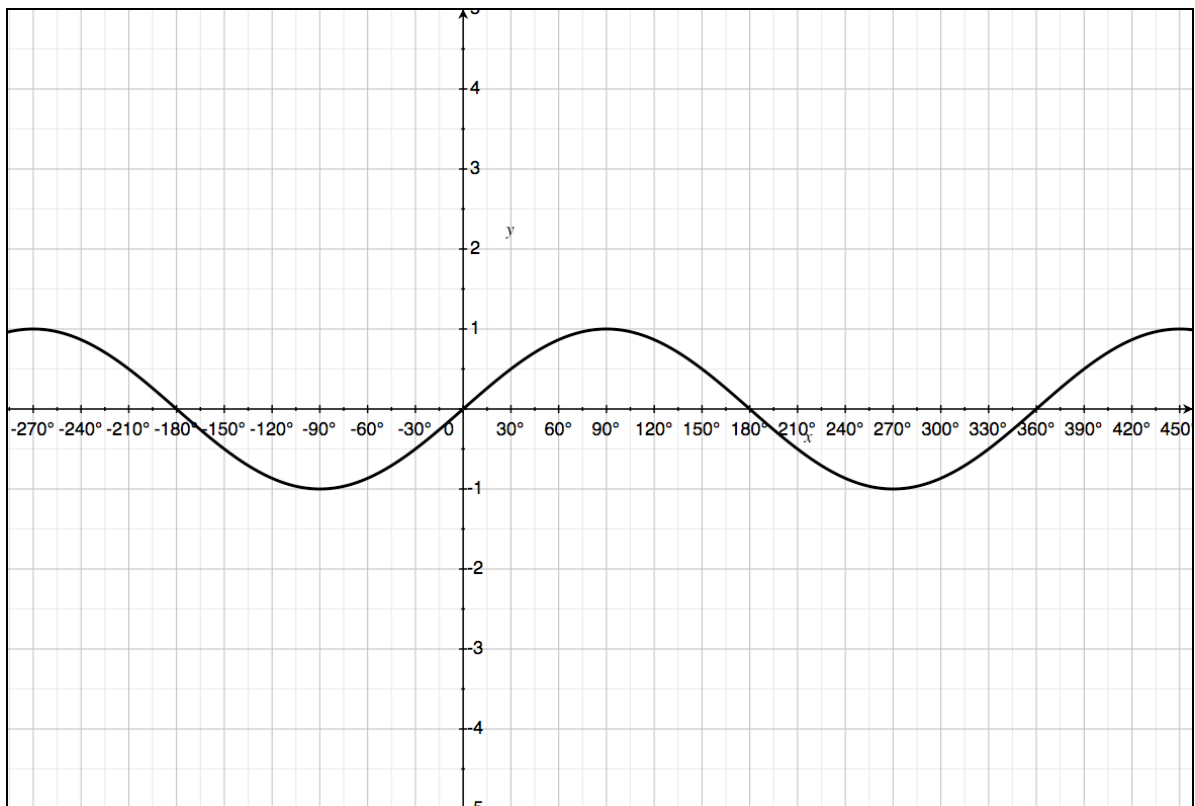
7) Sketch the graph of $f(x) = \sin 3x$



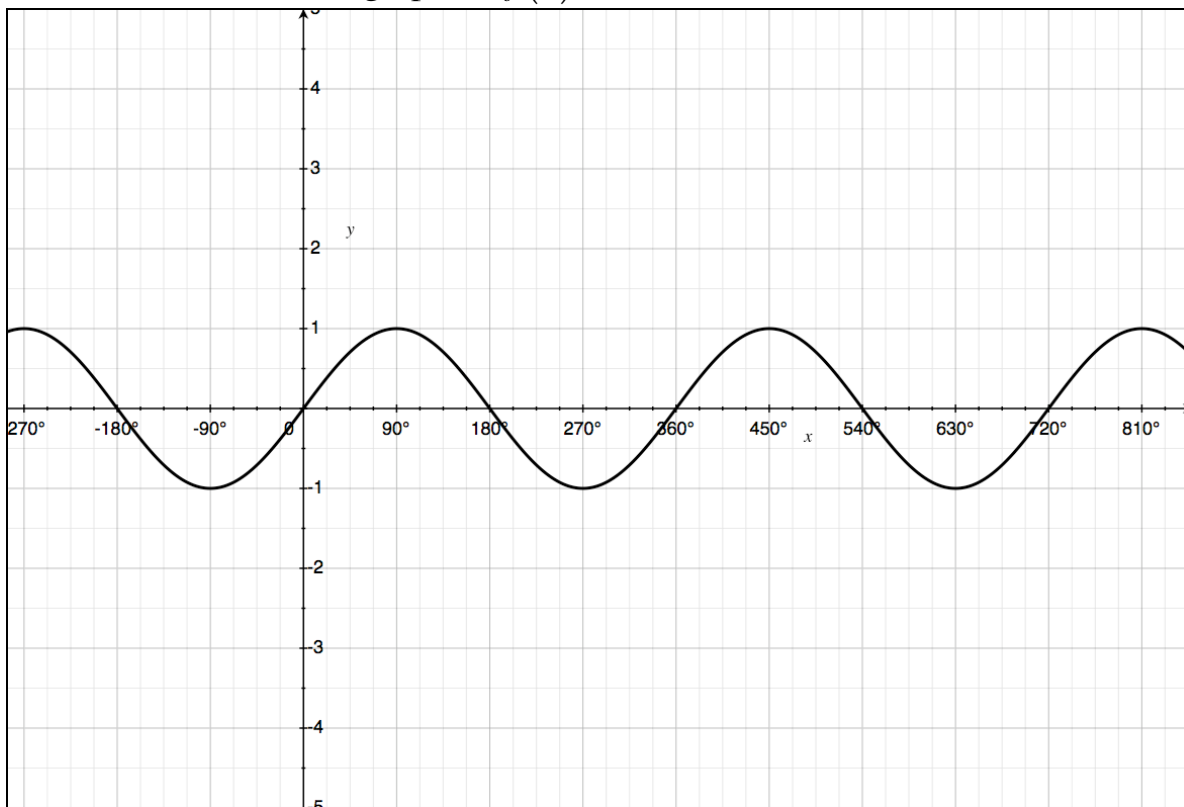
8) Sketch the graph of $f(x) = \sin 4x$



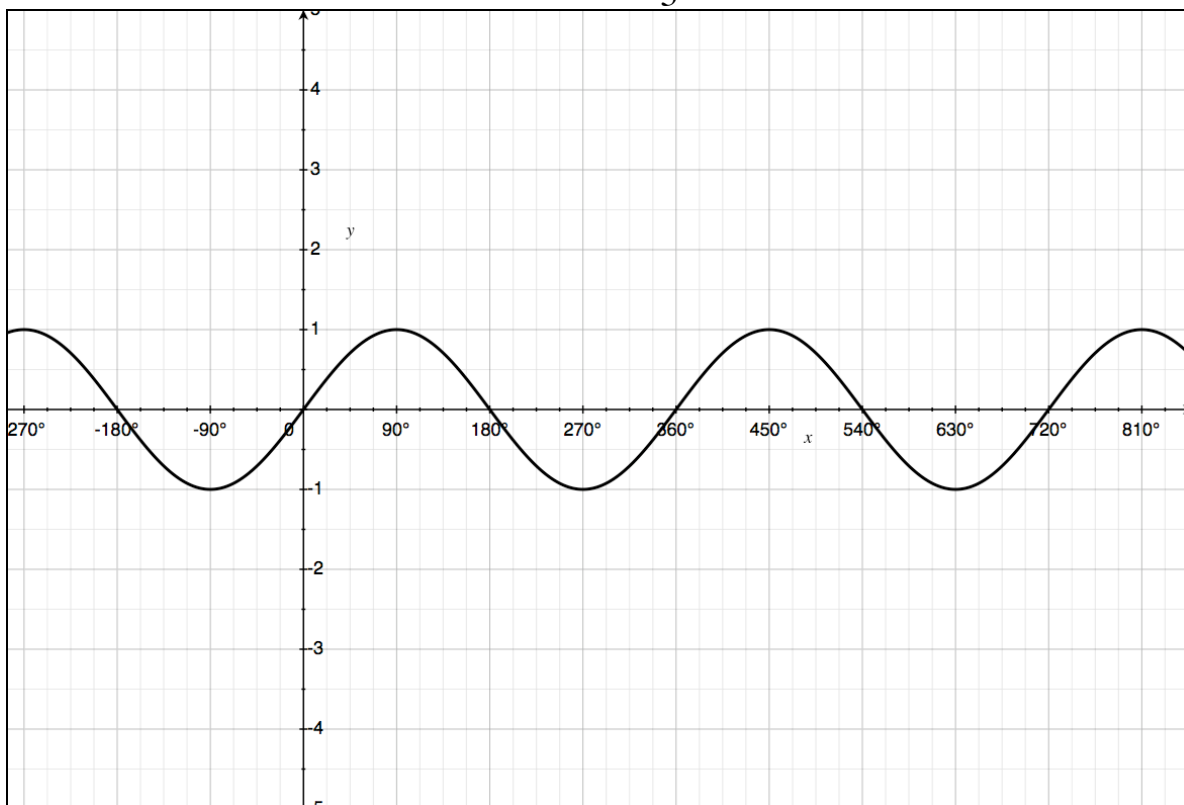
9) Sketch the graph of $f(x) = \sin 1.5x$



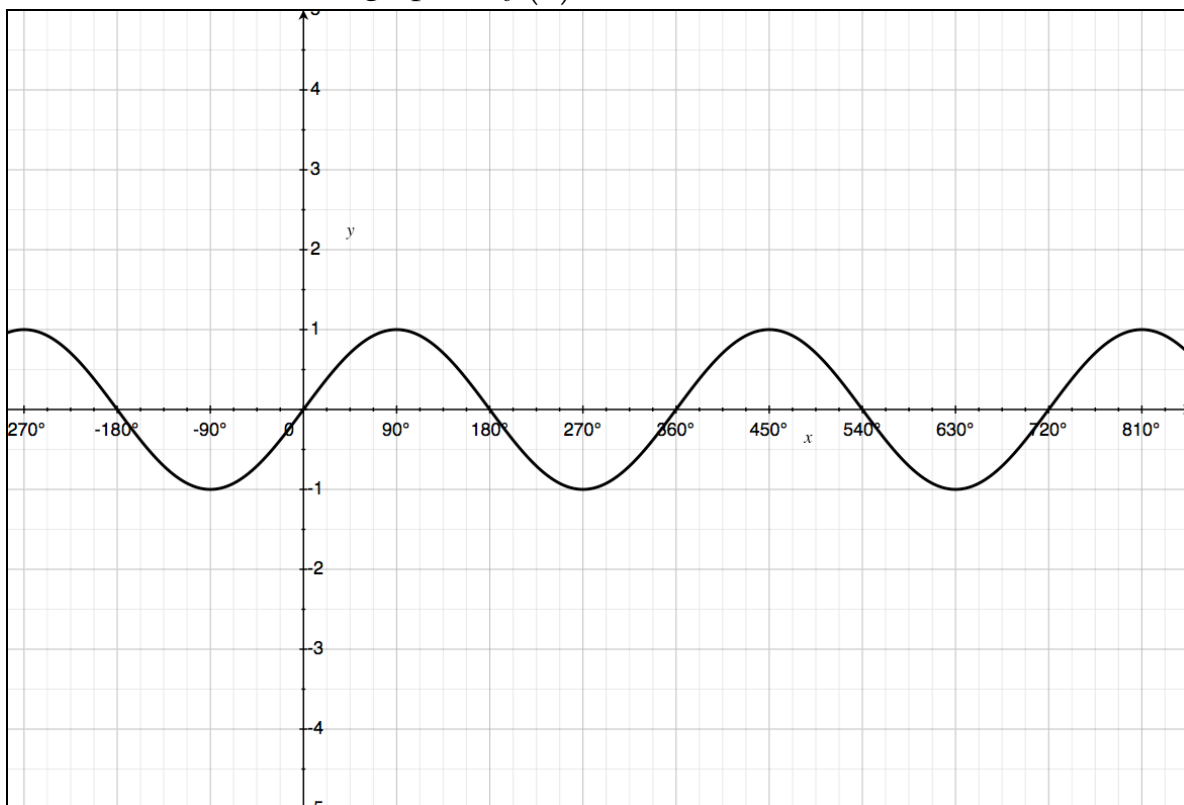
10) Sketch the graph of $f(x) = \sin 0.5x$



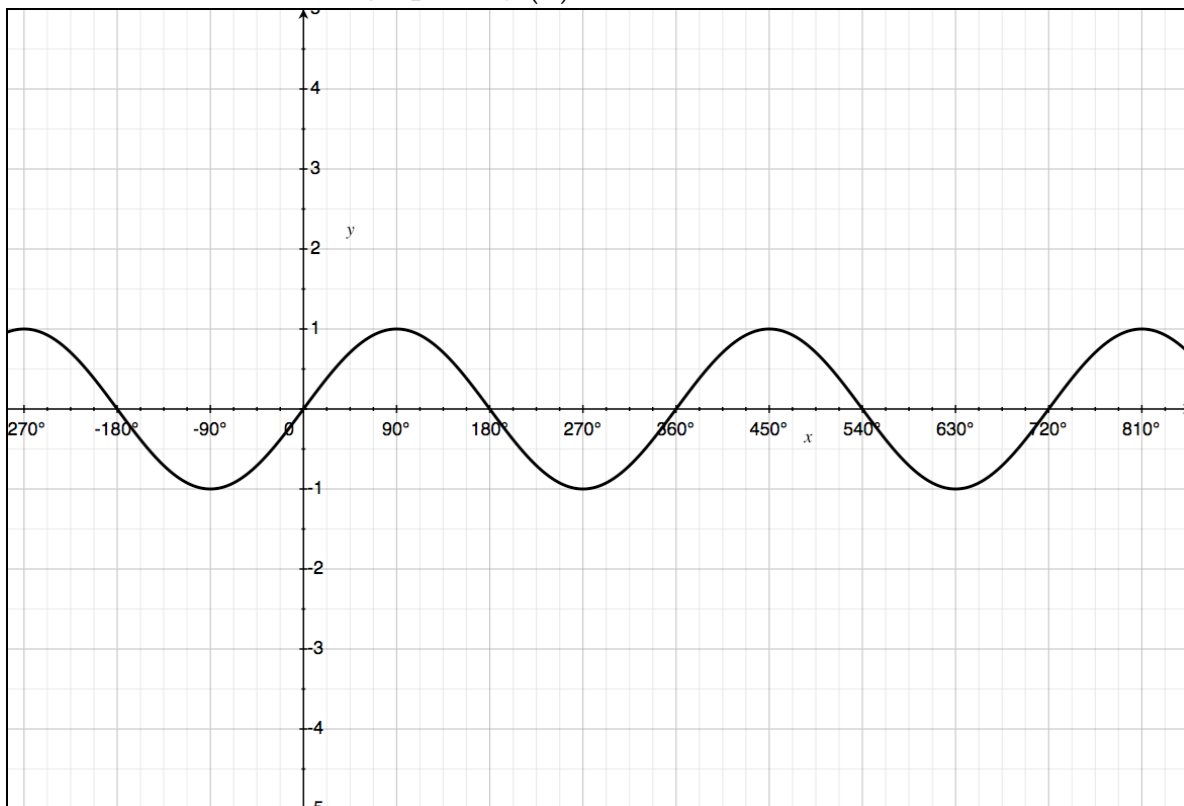
11) Sketch the graph of $f(x) = \sin \frac{2}{3}x$



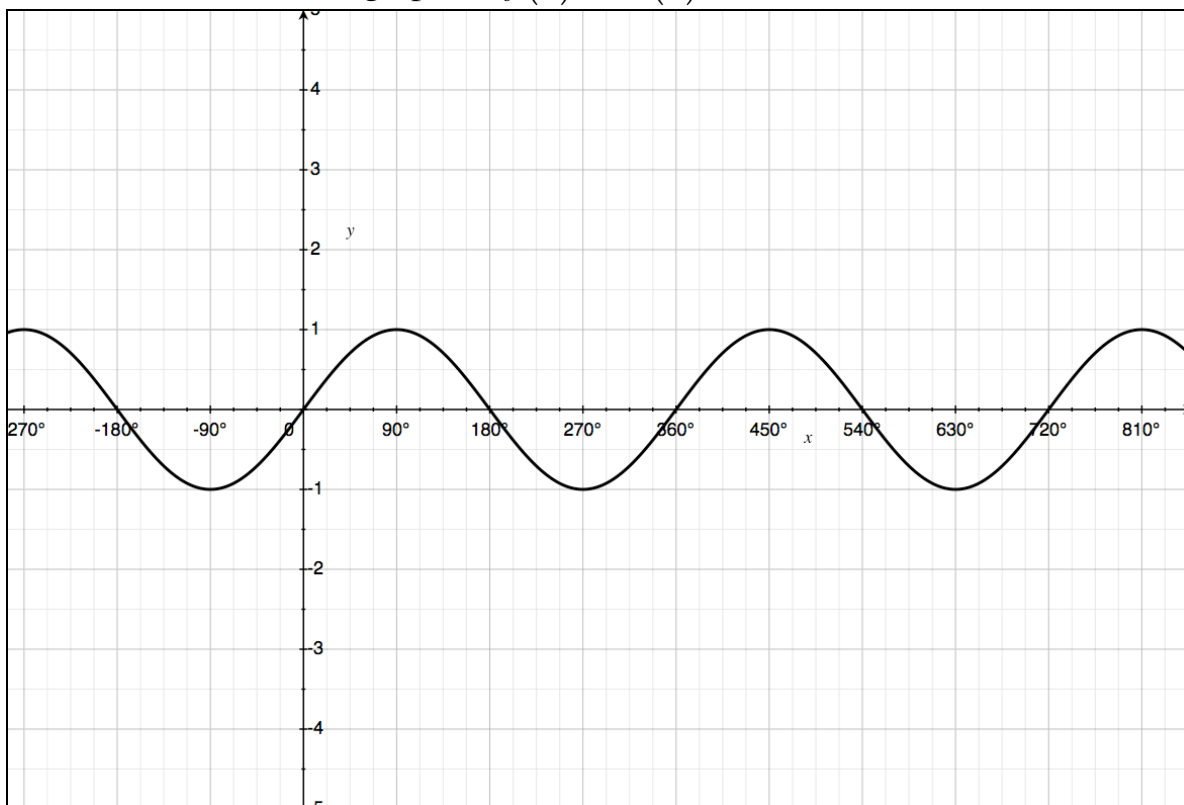
12) Sketch the graph of $f(x) = 2 \sin 0.5x$



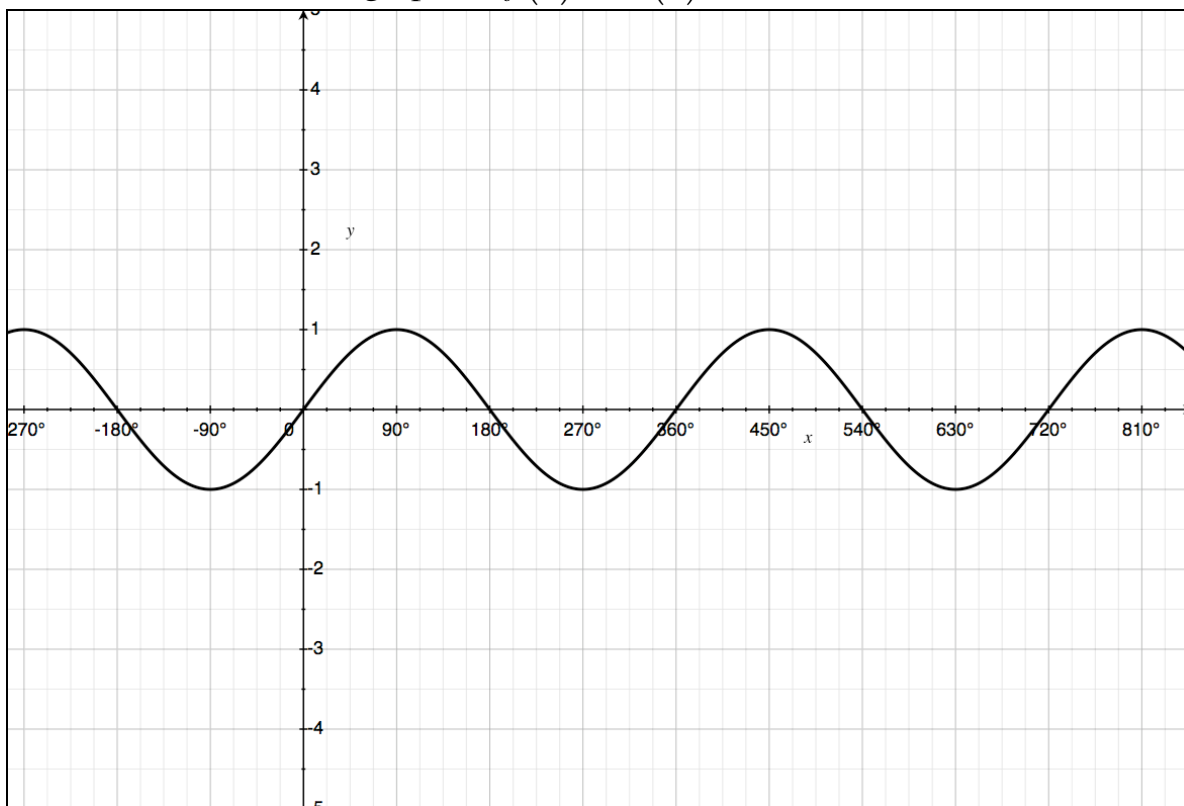
13) Sketch the graph of $f(x) = 3 \sin 2x$



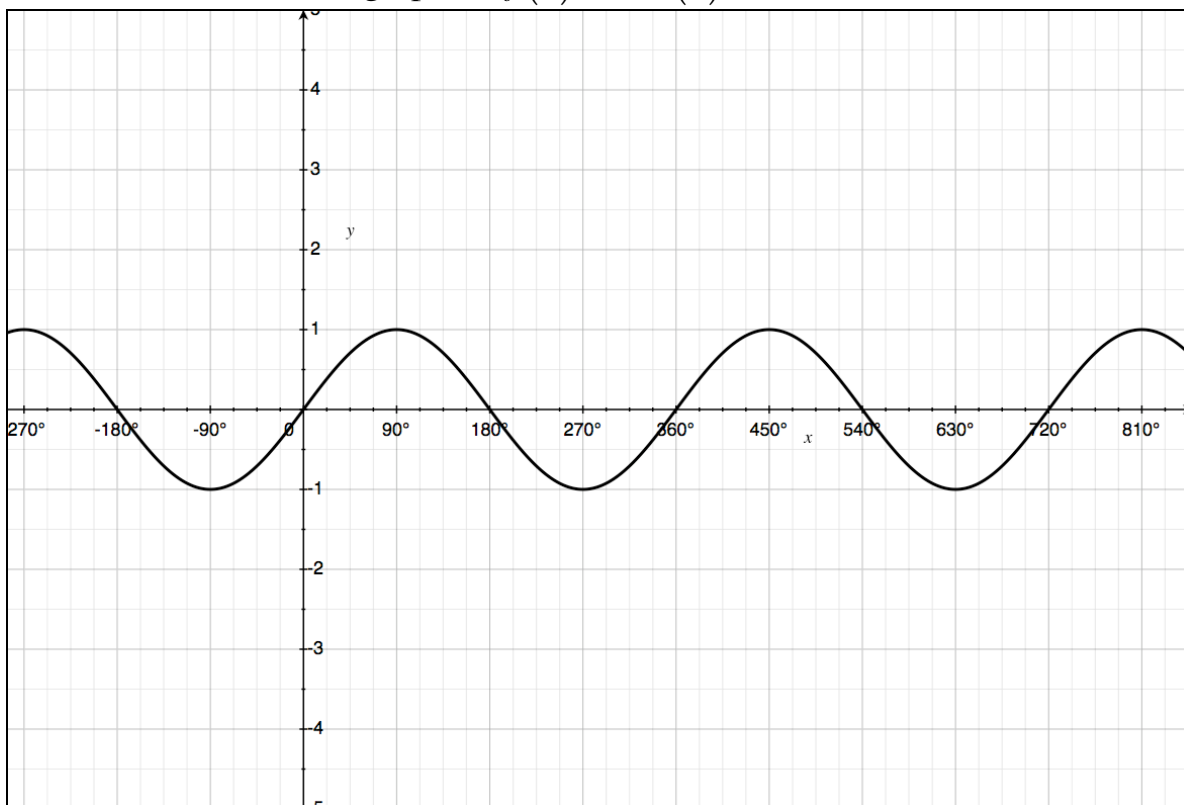
14) Sketch the graph of $f(x) = \sin(x) + 2$



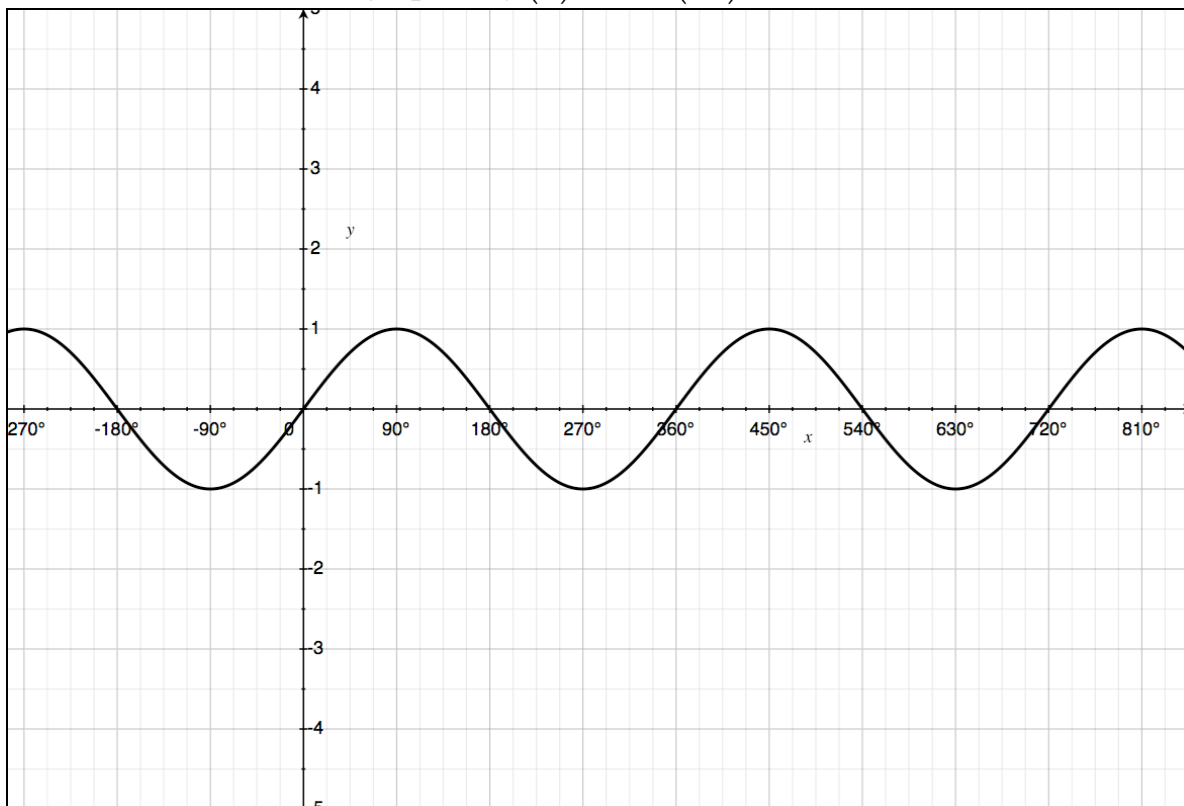
15) Sketch the graph of $f(x) = \sin(x) - 1$



16) Sketch the graph of $f(x) = 3\sin(x) - 1$



17) Sketch the graph of $f(x) = 3\sin(2x) + 2$



Precalc – Exit Slip – 12/15/10

Name: _____

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1) Sketch the graph of $f(x) = 3 \sin 2x$

