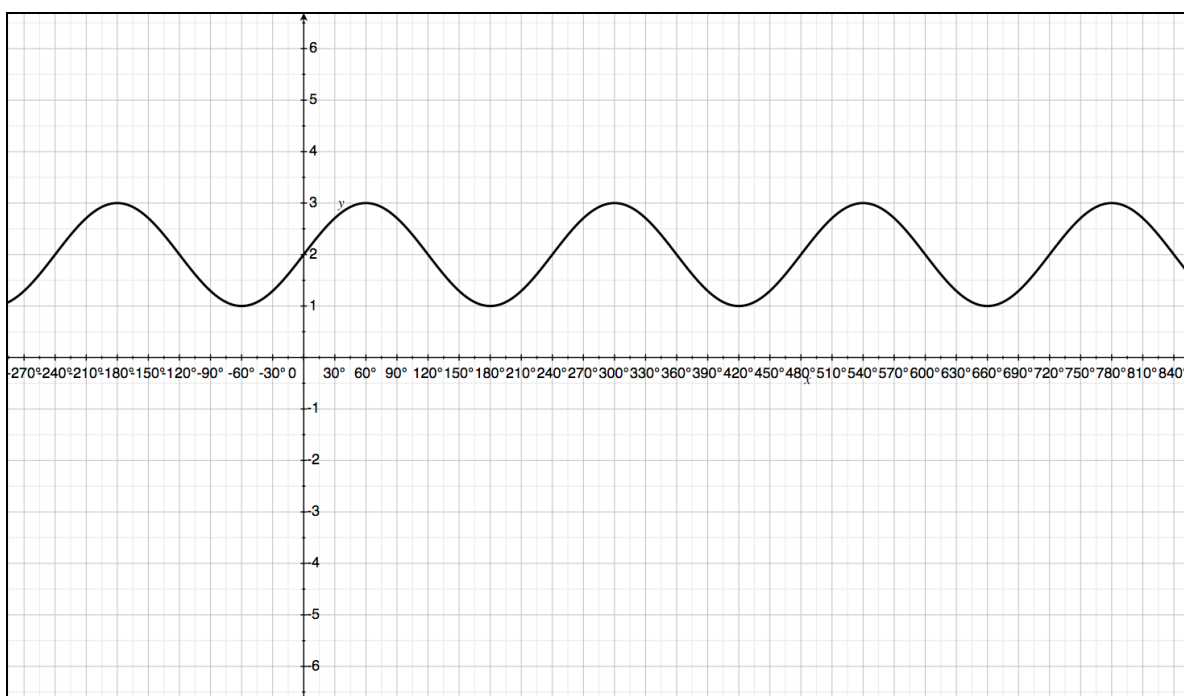
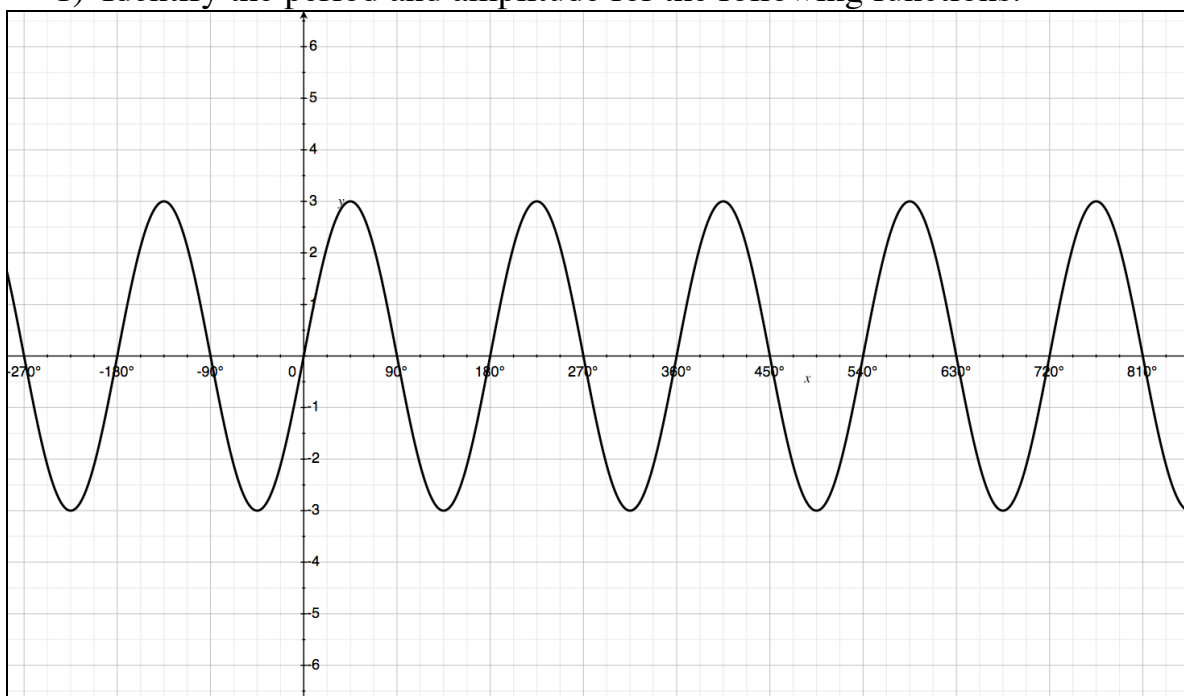


# Precalc Warm Up – 12/16/10

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

Period: \_\_\_\_\_

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



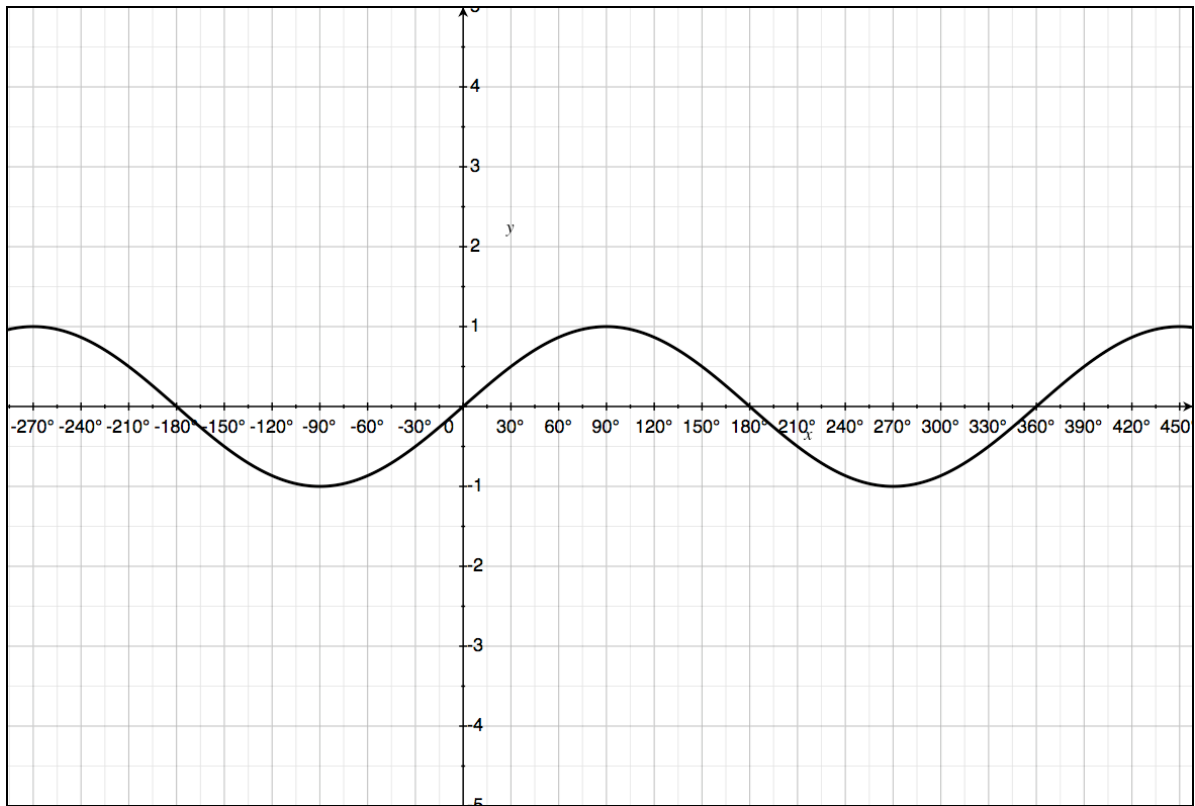
# Precalc

## Sine Graphs to Equations

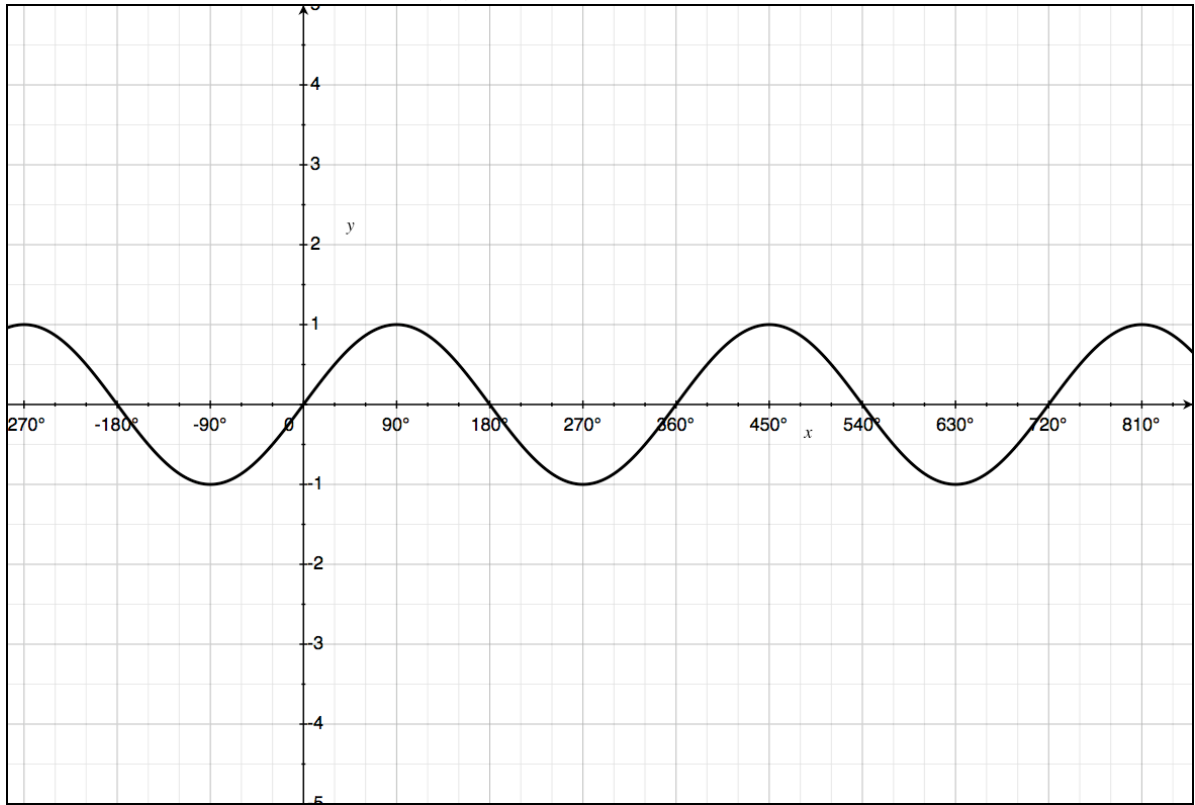
Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

Students will be able to derive the equation of a sine function given its graph.

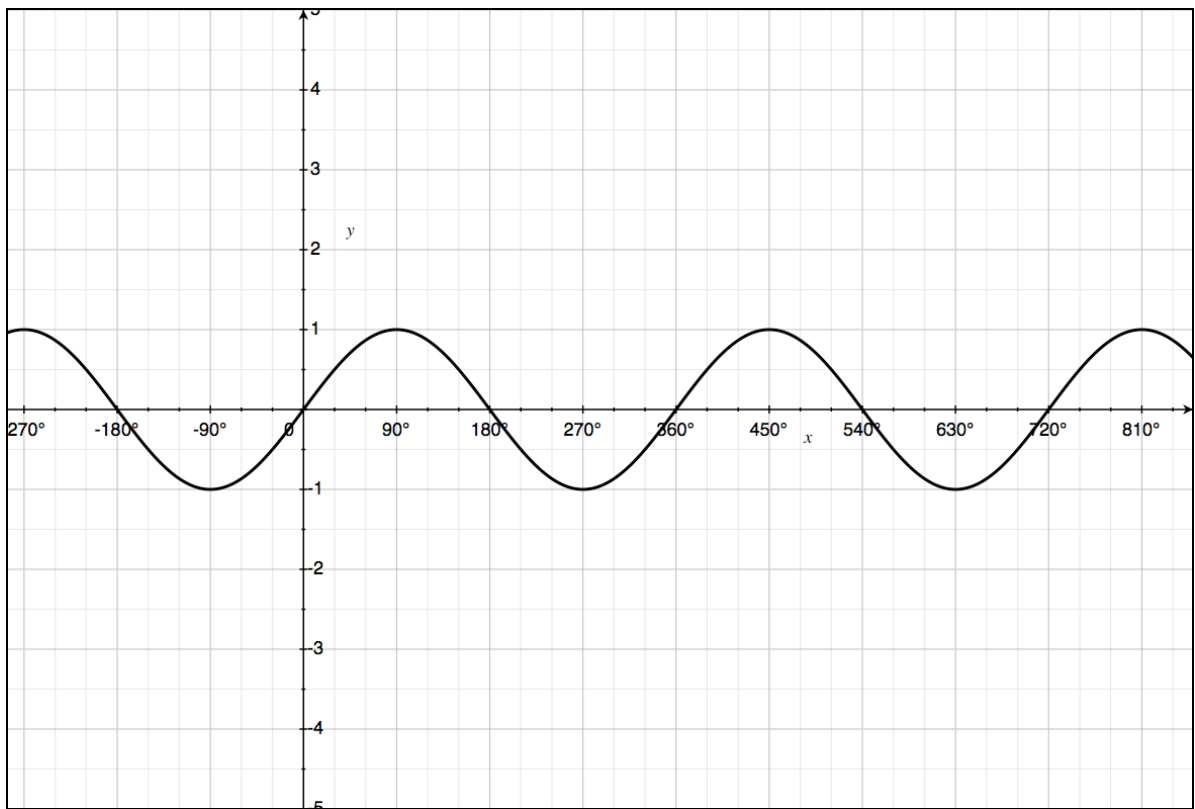
1) Sketch the graph of  $f(x) = 3 \sin 2x$



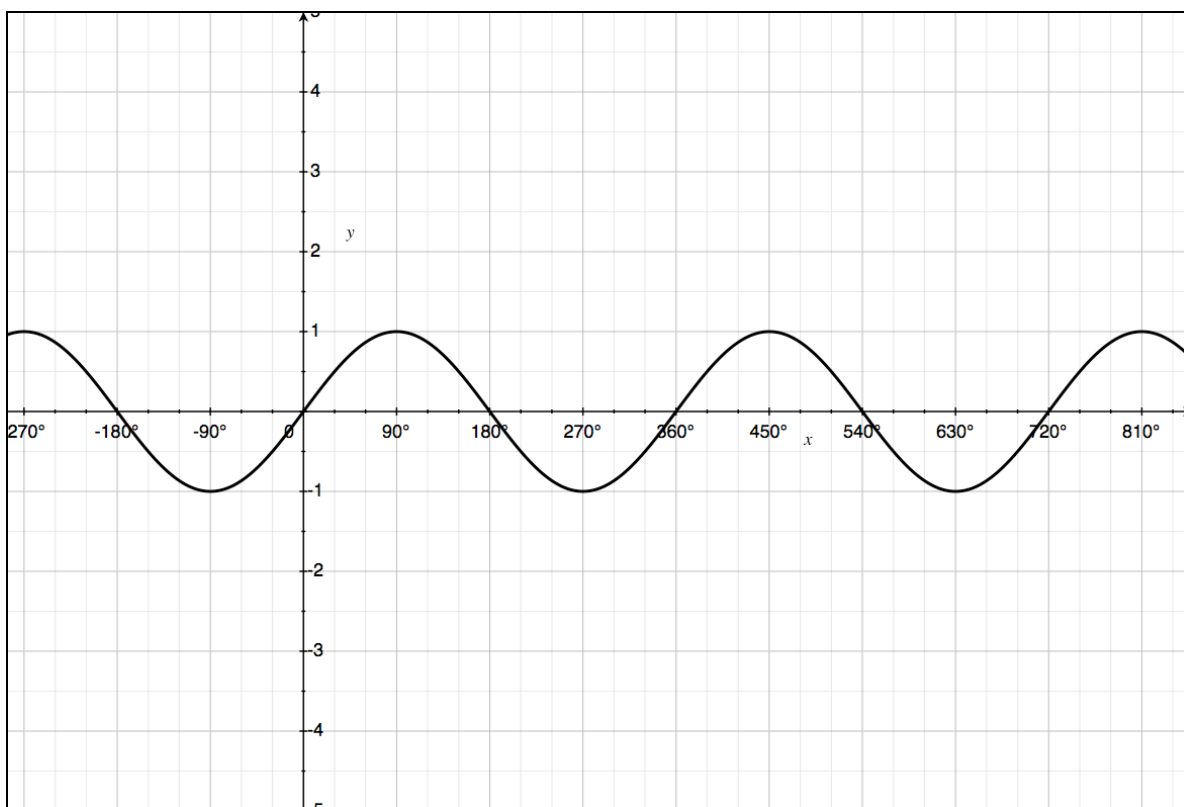
2) Sketch the graph of  $f(x) = 4 \sin 3x$



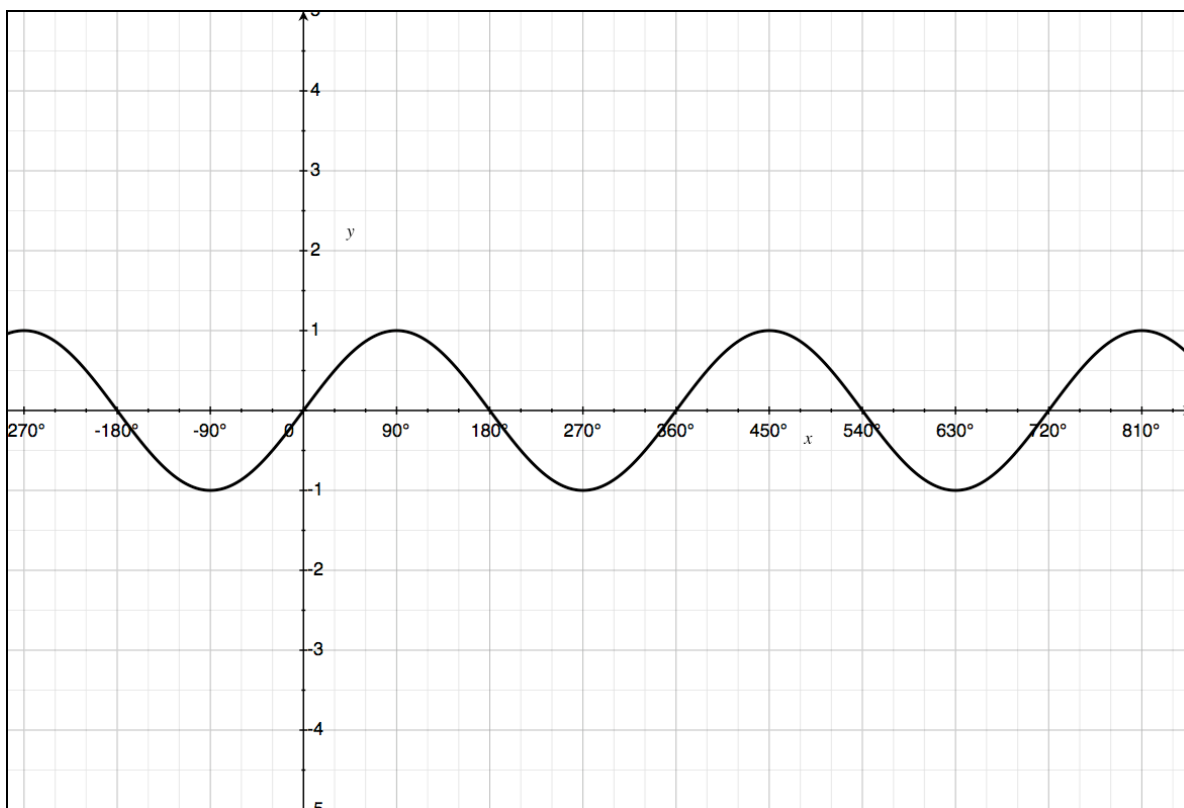
3) Sketch the graph of  $f(x) = \sin x + 1$



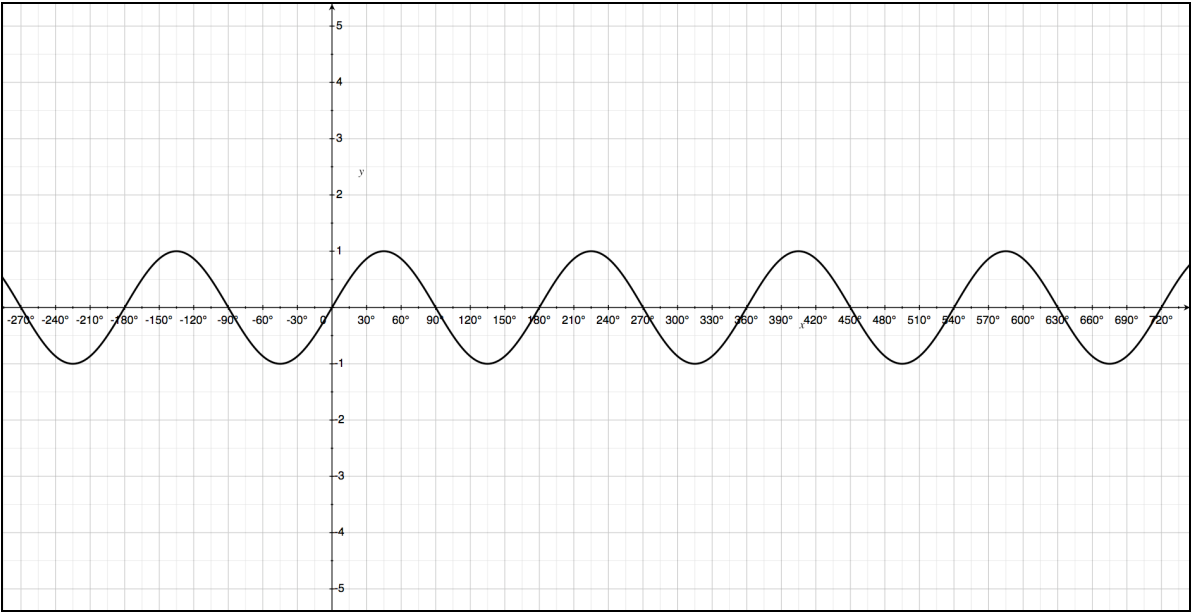
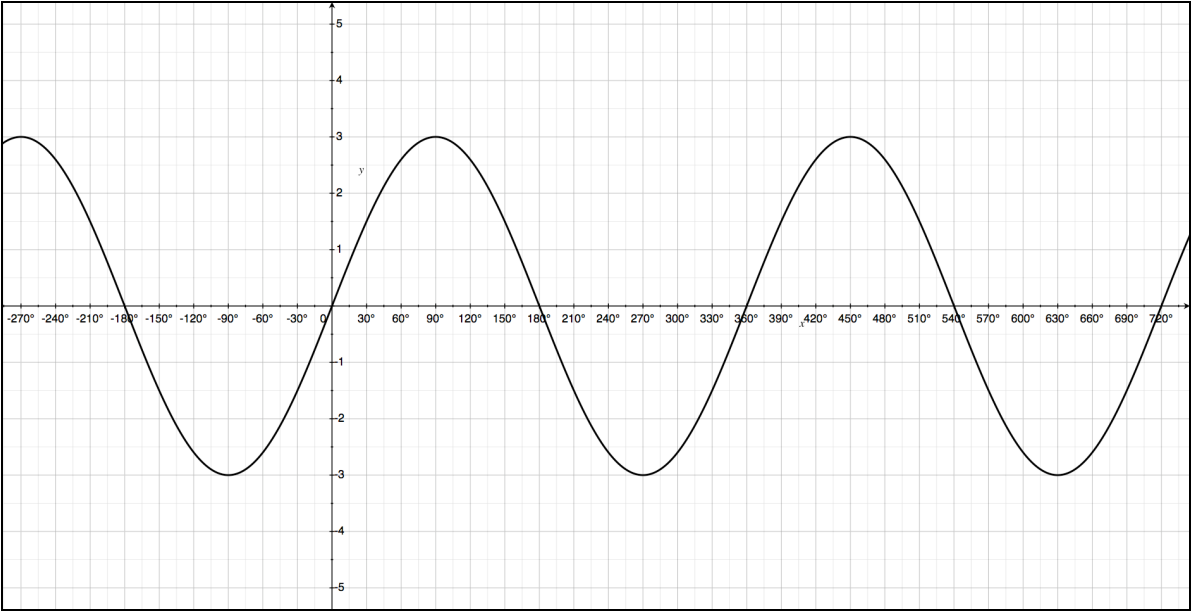
4) Sketch the graph of  $f(x) = 3\sin(x) - 1$

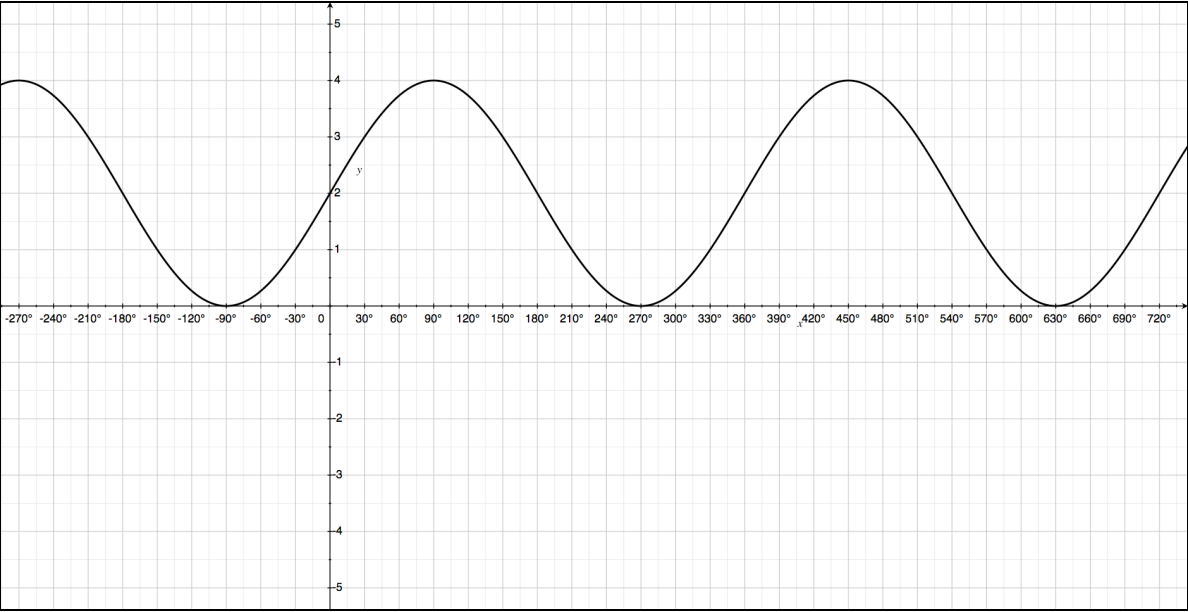
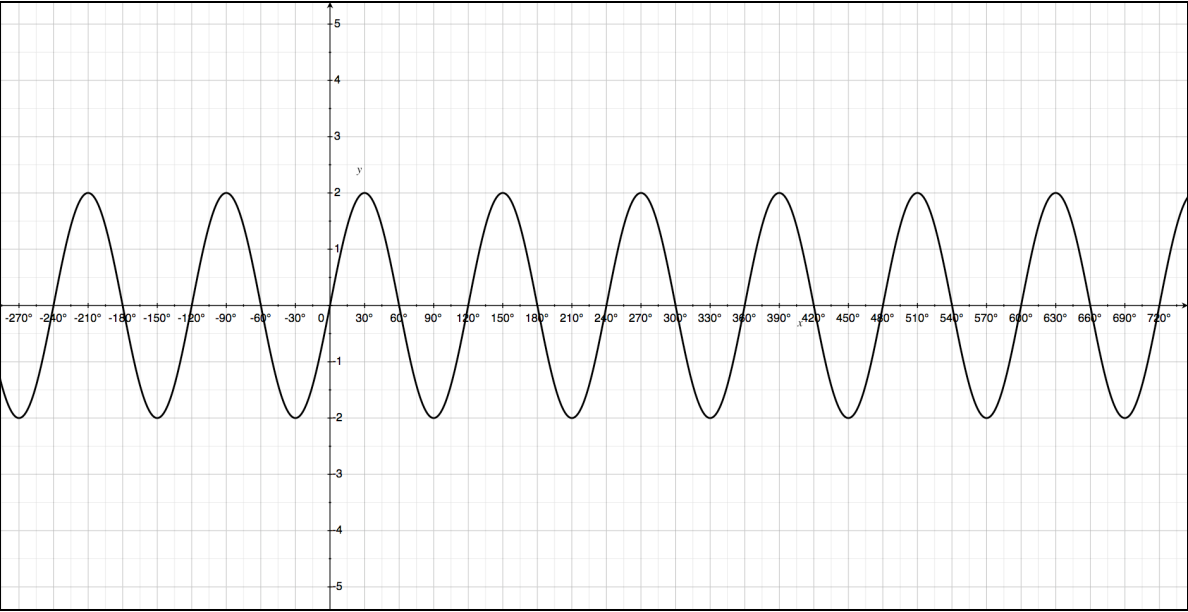


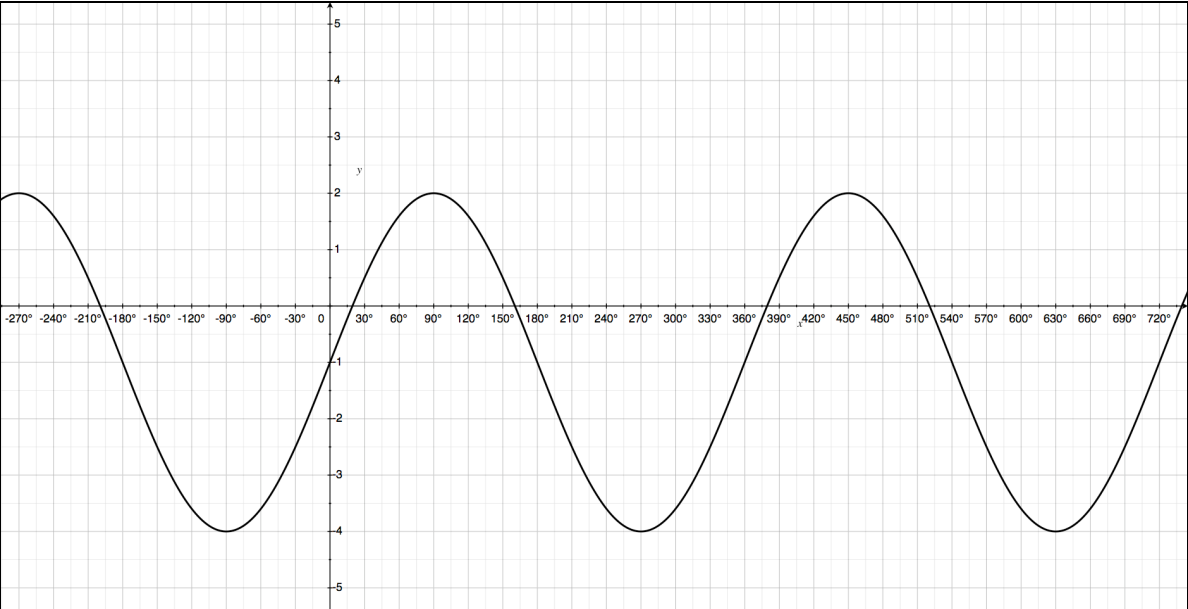
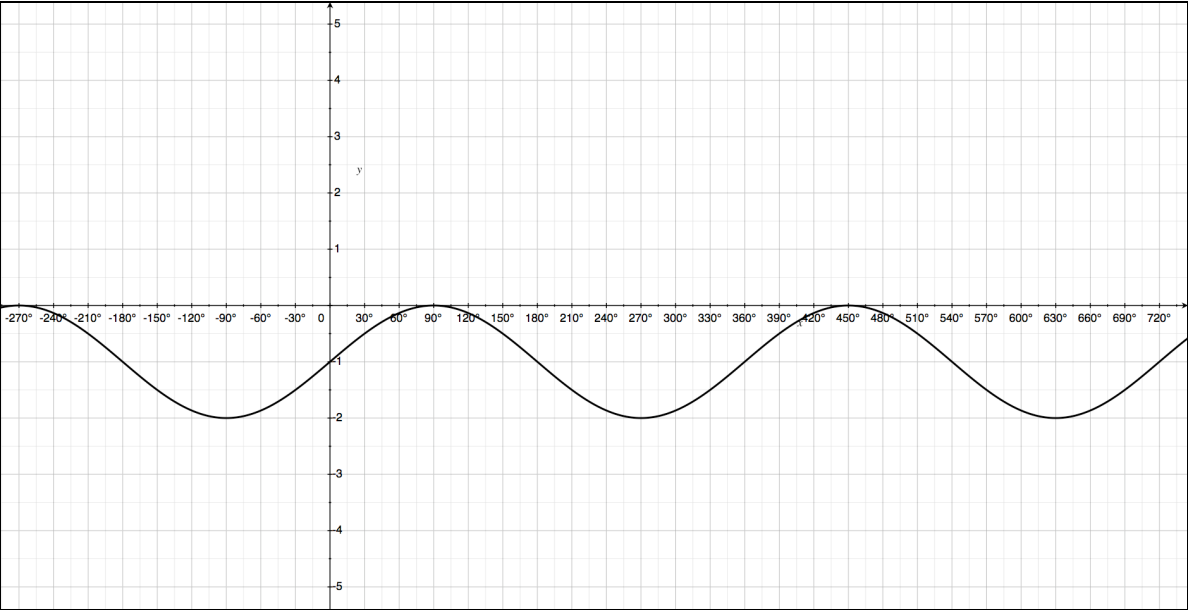
5) Sketch the graph of  $f(x) = 3\sin(2x) + 2$

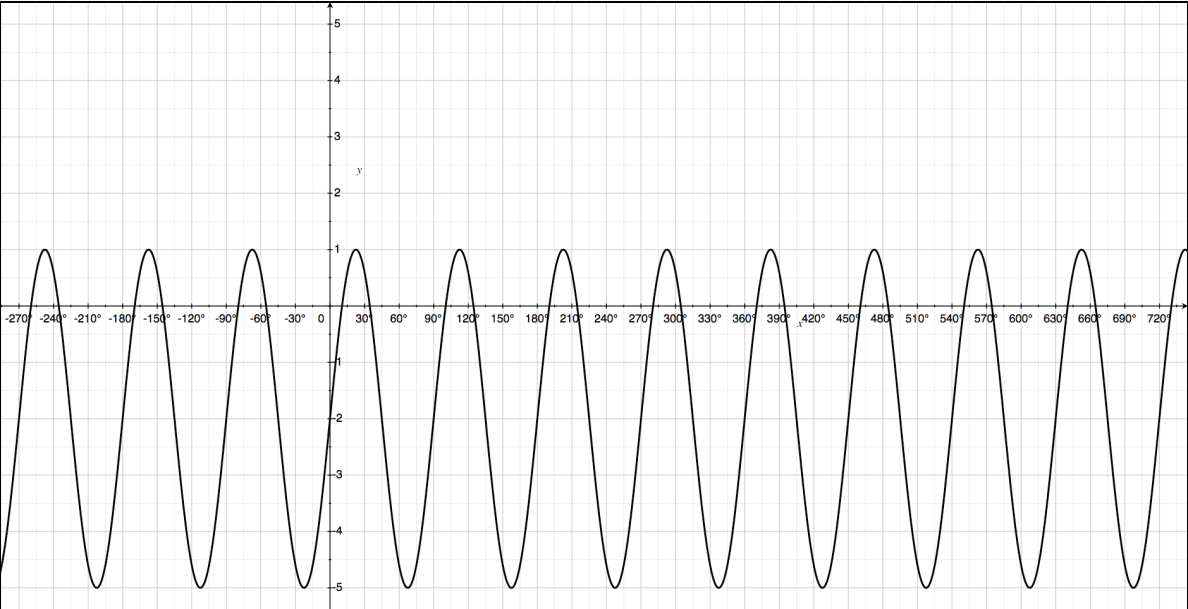
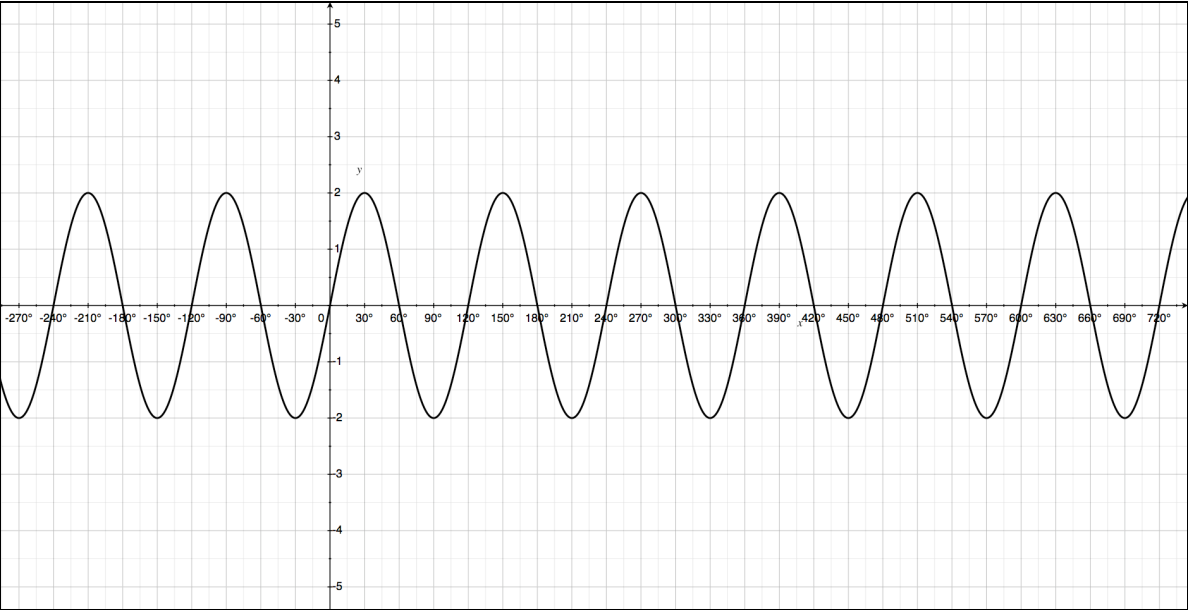


Determine the equation for the following functions:









# Precalc – Exit Slip – 12/16 /10

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

Period: \_\_\_\_\_

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

