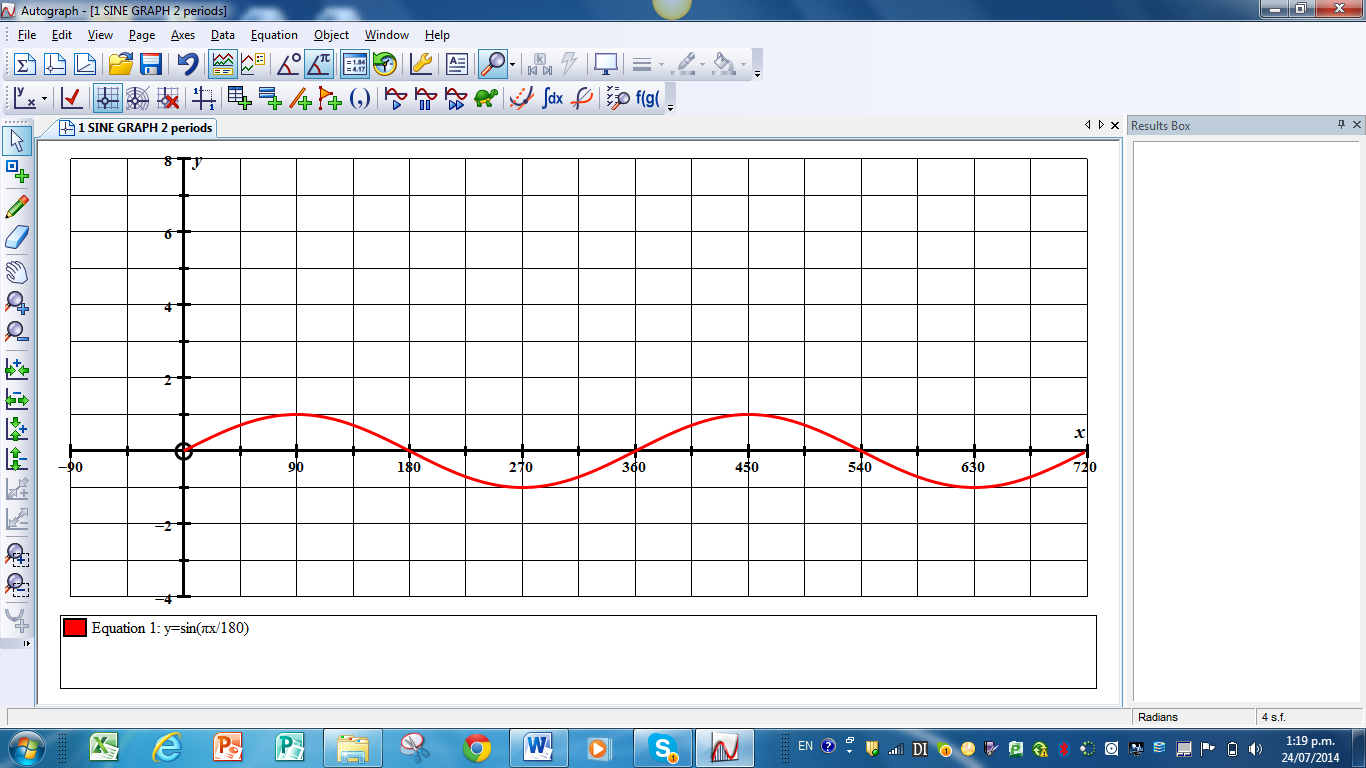
**SINE GRAPHS.**

1. The graph shown is ***y = sin(x)***

On the axes below, draw the graphs:

***(a) y = 2sin(x)***

***(b) y = 2sin(x) + 4***

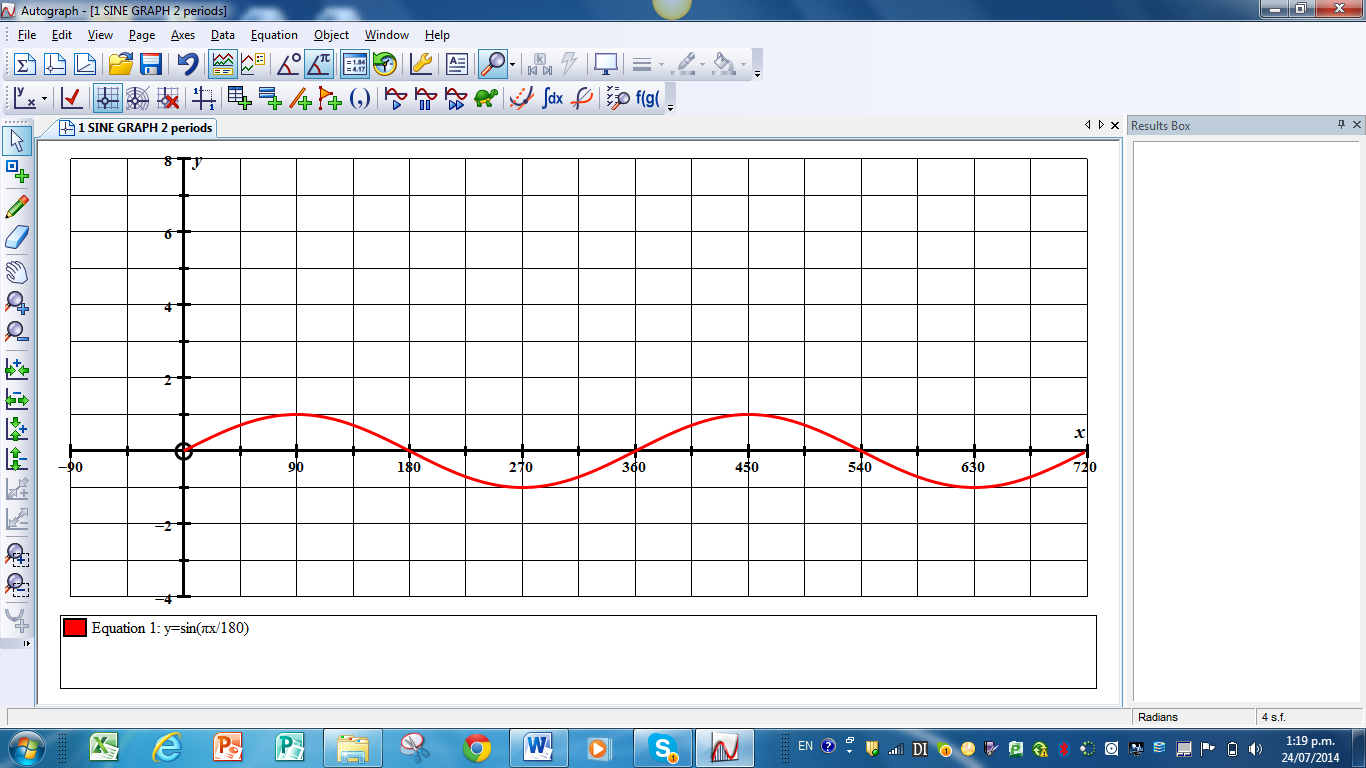


2. The graph shown is ***y = sin(x)***

On the axes below, draw the graphs:

***(a) y = 3sin(x)***

***(b) y = 3sin(x) + 5***



3. What would the maximum and minimum y values be for the graph of

***y = 8sin(x) + 7***

MAX = MIN =

4. Find an equation in the form ***y = A + Bsin(x)*** so that the maximum value is 12

and the minimum value is 2

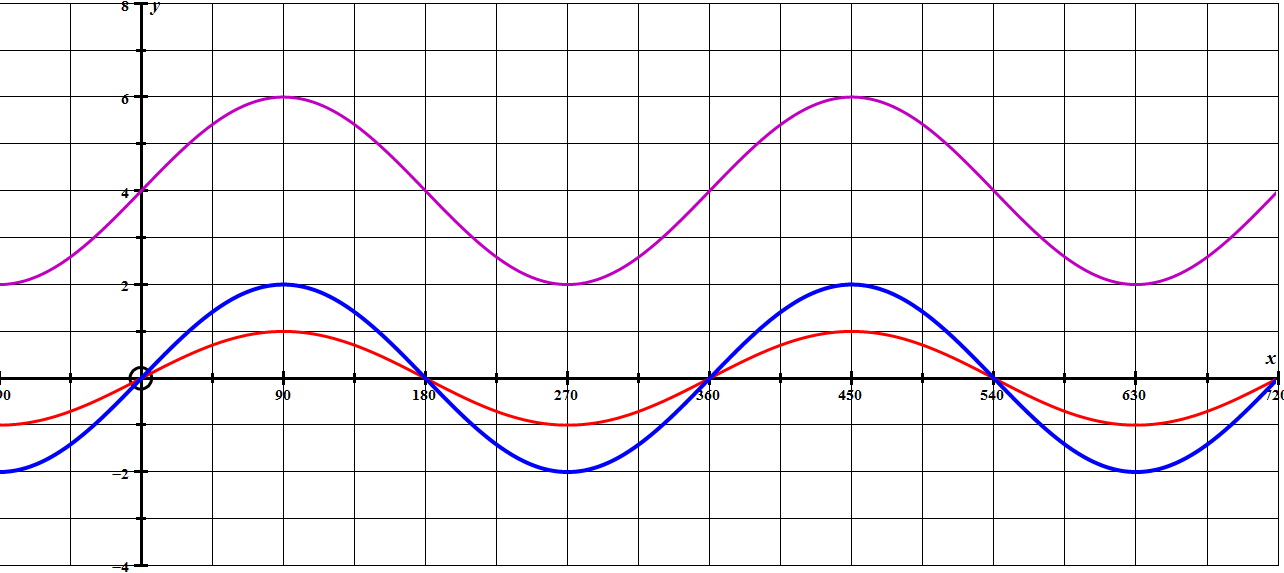
**SINE GRAPHS.ANSWERS**

1. The graph shown is ***y = sin(x)***

On the axes below, draw the graphs:

***(a) y = 2sin(x)***

***(b) y = 2sin(x) + 4***

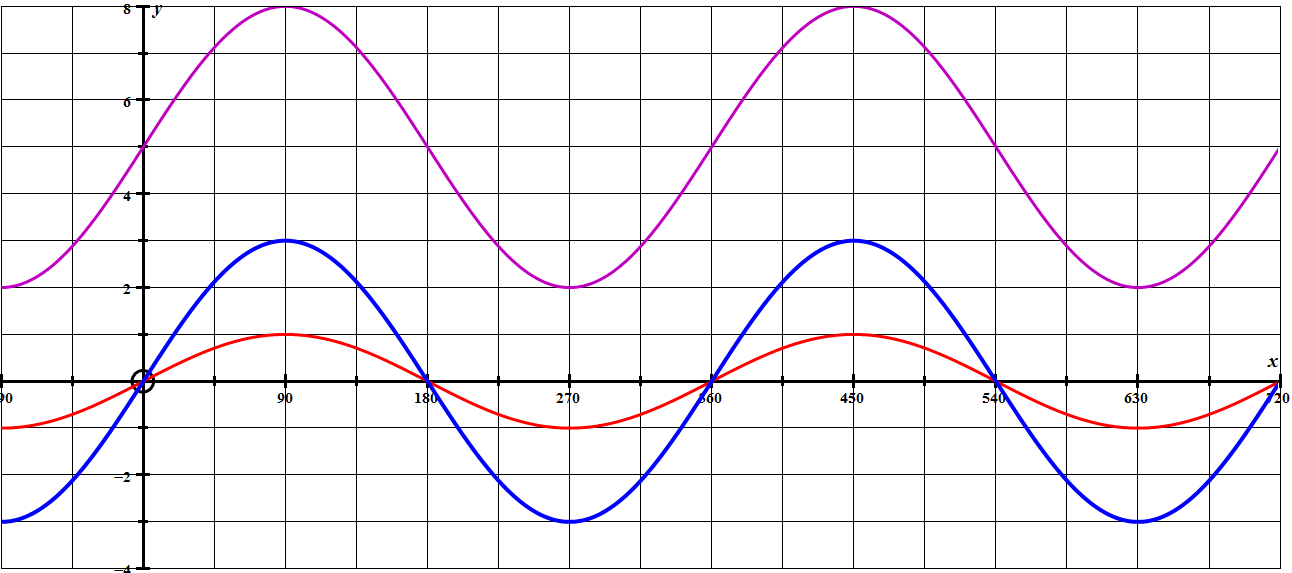


2. The graph shown is ***y = sin(x)***

On the axes below, draw the graphs:

***(a) y = 3sin(x)***

***(b) y = 3sin(x) + 5***



3. What would the maximum and minimum y values be for the graph of

***y = 8sin(x) + 7***

MAX = 15 MIN = 1

4. Find an equation in the form ***y = A + Bsin(x)*** so that the maximum value is 12

and the minimum value is 2 ***y = 7 + 5sin(x)***