**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**

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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)***