

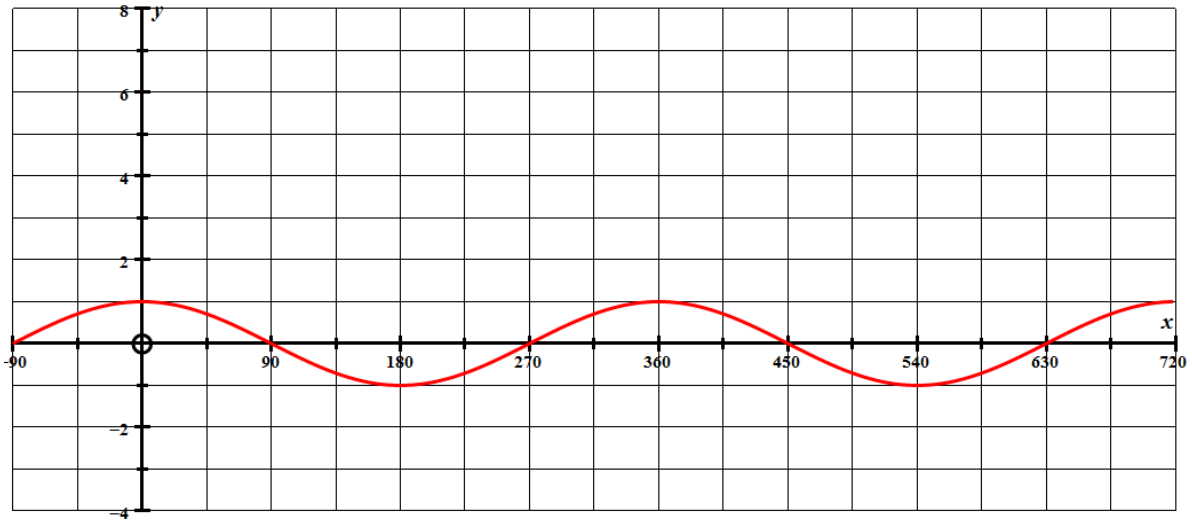
COSINE GRAPHS.

1. The graph shown is $y = \cos(x)$

On the axes below, draw the graphs:

(a) $y = 2\cos(x)$

(b) $y = 2\cos(x) + 5$

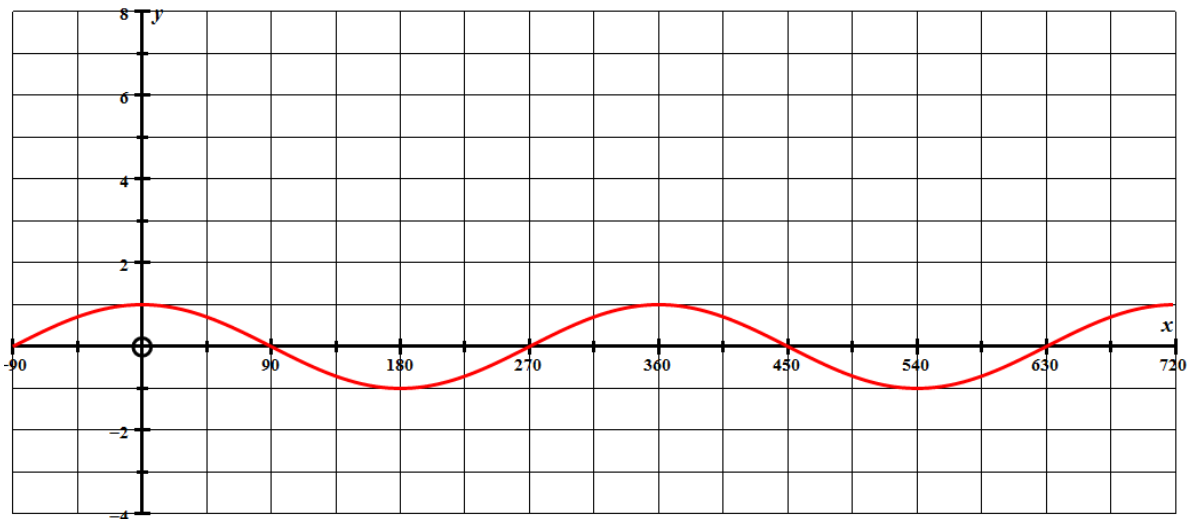


2. The graph shown is $y = \cos(x)$

On the axes below, draw the graphs:

(a) $y = 3\cos(x)$

(b) $y = 3\cos(x) + 4$



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

$$y = 9\cos(x) + 3$$

MAX =

MIN =

4. Find an equation in the form $y = A + B\cos(x)$ so that the

maximum value is 14 and the minimum value is 6.

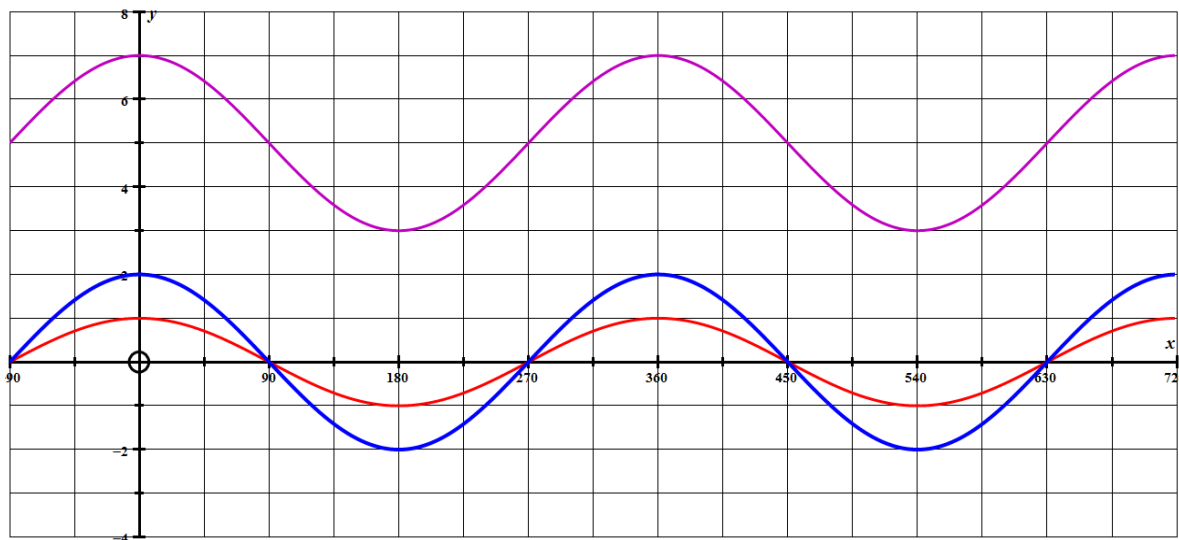
COSINE GRAPHS. ANSWERS

1. The graph shown is $y = \cos(x)$

On the axes below, draw the graphs:

(a) $y = 2\cos(x)$

(b) $y = 2\cos(x) + 5$

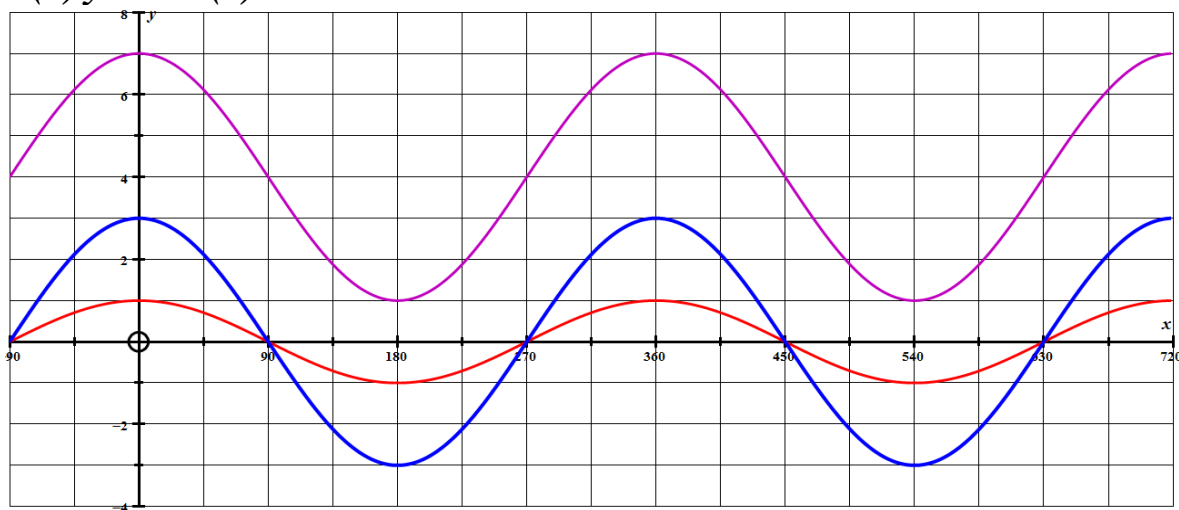


2. The graph shown is $y = \cos(x)$

On the axes below, draw the graphs:

(a) $y = 3\cos(x)$

(b) $y = 3\cos(x) + 4$



3. What would the maximum and minimum y values be for the graph of
 $y = 9\cos(x) + 3$

MAX = 12

MIN = 6

4. Find an equation in the form $y = A + B\cos(x)$ so that the
 maximum value is 14 and the minimum value is 6.

$y = 4\cos(x) + 10$