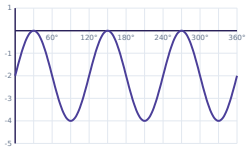
Graphs of Sine & Cosine · 1

For y = 3cos(4(x - 30°)) + 4: What is the phase shift, in degrees? (Use a negative number for a shift to the left.)

Graphs of Sine & Cosine · 2

The graph shows a sine or cosine curve. What is the minimum value of y?



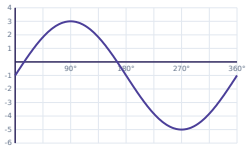
Graphs of Sine & Cosine · 3

For $y = 4\sin(\frac{x}{2}) + 4$:

What is the minimum value of y?

Graphs of Sine & Cosine · 4

The graph shows a sine or cosine curve. What is the period, in degrees?

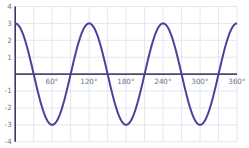


Graphs of Sine & Cosine · 5

For y = -sin(x + 15°) - 4: What is the maximum value of y?

Graphs of Sine & Cosine · 6

The graph shows a sine or cosine curve. What is the period, in degrees?

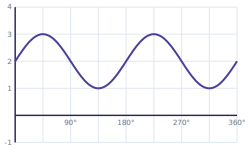


Graphs of Sine & Cosine · 7

For y = 5cos(8(x + 60°)) + 5: What is the phase shift, in degrees? (Use a negative number for a shift to the left.)

Graphs of Sine & Cosine · 8

The graph shows a sine or cosine curve. What is the period, in degrees?



Graphs of Sine & Cosine · 2

ANSWER

-4

Graphs of Sine & Cosine · 1

ANSWER

30°

Graphs of Sine & Cosine · 4

ANSWER

360°

Graphs of Sine & Cosine · 3

ANSWER

0

Graphs of Sine & Cosine · 6

ANSWER

120°

Graphs of Sine & Cosine · 5

ANSWER

-3

Graphs of Sine & Cosine · 8

ANSWER

180°

Graphs of Sine & Cosine · 7

ANSWER

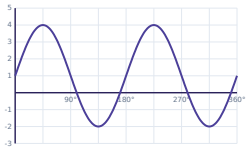
-60°

Graphs of Sine & Cosine · 9

For y = 5cos(5x) + 2: What is the minimum value of y?

Graphs of Sine & Cosine · 10

The graph shows a sine or cosine curve. What is the minimum value of y?

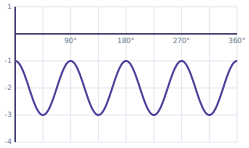


Graphs of Sine & Cosine · 11

For $y = \sin(\frac{x}{2}) - 4$: What is the maximum value of y?

Graphs of Sine & Cosine · 12

The graph shows a sine or cosine curve. What is the equation of the midline?

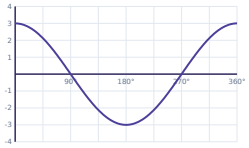


Graphs of Sine & Cosine · 13

For y = -4sin(3(x + 60°)) - 5: What is the phase shift, in degrees? (Use a negative number for a shift to the left.)

Graphs of Sine & Cosine · 14

The graph shows a sine or cosine curve. What is the maximum value of y?

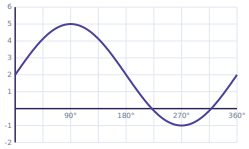


Graphs of Sine & Cosine · 15

For y = -3sin(4(x - 60°)) - 2: What is the phase shift, in degrees? (Use a negative number for a shift to the left.)

Graphs of Sine & Cosine · 16

The graph shows a sine or cosine curve. What is the minimum value of y?



Graphs of Sine & Cosine · 10

ANSWER

-2

Graphs of Sine & Cosine · 9

ANSWER

-3

Graphs of Sine & Cosine · 12

ANSWER

y = -2

Graphs of Sine & Cosine · 11

ANSWER

-3

Graphs of Sine & Cosine · 14

ANSWER

3

Graphs of Sine & Cosine · 13

ANSWER

-60°

Graphs of Sine & Cosine · 16

ANSWER

-1

Graphs of Sine & Cosine · 15

ANSWER

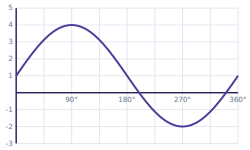
60°

Graphs of Sine & Cosine · 17

For y = 4sin(x) + 4: What is the minimum value of y?

Graphs of Sine & Cosine · 18

The graph shows a sine or cosine curve. What is the equation of the midline?

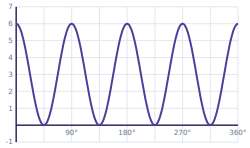


Graphs of Sine & Cosine · 19

For y = cos(8x) - 3: What is the maximum value of y?

Graphs of Sine & Cosine · 20

The graph shows a sine or cosine curve. What is the maximum value of y?

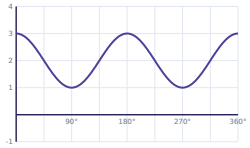


Graphs of Sine & Cosine · 21

For y = cos(4(x - 60°)) + 1: What is the phase shift, in degrees? (Use a negative number for a shift to the left.)

Graphs of Sine & Cosine · 22

The graph shows a sine or cosine curve. What is the equation of the midline?

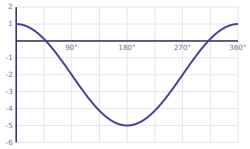


Graphs of Sine & Cosine · 23

For y = 5sin(x + 30°) - 3: What is the phase shift, in degrees? (Use a negative number for a shift to the left.)

Graphs of Sine & Cosine · 24

The graph shows a sine or cosine curve. What is the minimum value of y?



Graphs of Sine & Cosine · 18

ANSWER

y = 1

Graphs of Sine & Cosine · 17

ANSWER

0

Graphs of Sine & Cosine · 20

ANSWER

6

Graphs of Sine & Cosine · 19

ANSWER

-2

Graphs of Sine & Cosine · 22

ANSWER

y = 2

Graphs of Sine & Cosine · 21

ANSWER

60°

Graphs of Sine & Cosine · 24

ANSWER

-5

Graphs of Sine & Cosine · 23

ANSWER

-30°