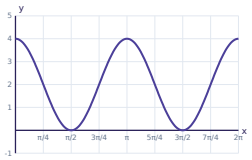
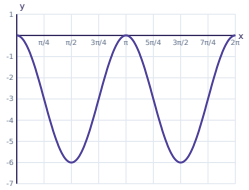
Find the period of y = -sin(6x) + 3 as a multiple of π: period = ___π

Find the minimum value of y = 5sin(6x) + 4.

Find the period of the sinusoid shown as a multiple of π: period = ___π

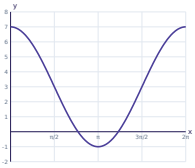


Find the equation of the midline of the sinusoid shown.



Write an equation y = a cos(bx) + d with a > 0, amplitude 1, period 2π and midline y = -3.

Find the amplitude of the sinusoid shown.



Find the period of y = 5cos(3x) + 3 as a multiple of π: period = ___π

Write an equation y = a cos(bx) + d with a > 0, amplitude 1, period π/2 and midline y = -3.

Amplitude, Period & Midline of Sine and Cosine · 2

ANSWER

-1

Amplitude, Period & Midline of Sine and Cosine · 1

ANSWER

$\frac{1}{3}$

Amplitude, Period & Midline of Sine and Cosine · 4

ANSWER

$y = -3$

Amplitude, Period & Midline of Sine and Cosine · 3

ANSWER

1

Amplitude, Period & Midline of Sine and Cosine · 6

ANSWER

4

Amplitude, Period & Midline of Sine and Cosine · 5

ANSWER

$y = \cos(x) - 3$

Amplitude, Period & Midline of Sine and Cosine · 8

ANSWER

$y = \cos(4x) - 3$

Amplitude, Period & Midline of Sine and Cosine · 7

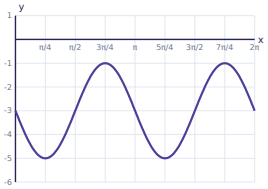
ANSWER

$\frac{2}{3}$

Find the period of y = -cos(4x) - 1 as a multiple of π: period = ___π

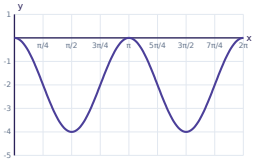
Find the minimum value of y = -2cos(2x) - 1.

Find the equation of the midline of the sinusoid shown.



Write an equation y = a sin(bx) + d with a > 0, amplitude 4, period π/3 and midline y = -3.

Find the amplitude of the sinusoid shown.



Find the period of y = -sin(6x) + 1 as a multiple of π: period = ___π

Write an equation y = a sin(bx) + d with a > 0, amplitude 5, period π/3 and midline y = -4.

Find the period of y = -4sin(x) + 4 as a multiple of π: period = ___π

Amplitude, Period & Midline of Sine and Cosine · 10

ANSWER

-3

Amplitude, Period & Midline of Sine and Cosine · 9

ANSWER

$\frac{1}{2}$

Amplitude, Period & Midline of Sine and Cosine · 12

ANSWER

$y = 4\sin(6x) - 3$

Amplitude, Period & Midline of Sine and Cosine · 11

ANSWER

$y = -3$

Amplitude, Period & Midline of Sine and Cosine · 14

ANSWER

$\frac{1}{3}$

Amplitude, Period & Midline of Sine and Cosine · 13

ANSWER

2

Amplitude, Period & Midline of Sine and Cosine · 16

ANSWER

2

Amplitude, Period & Midline of Sine and Cosine · 15

ANSWER

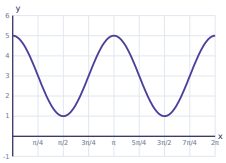
$y = 5\sin(6x) - 4$

Amplitude, Period & Midline of Sine and Cosine · 17

Find the minimum value of y = 3sin(2x) + 4.

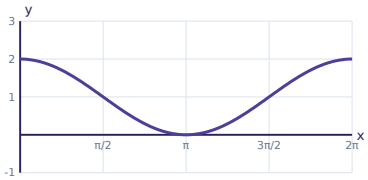
Amplitude, Period & Midline of Sine and Cosine · 18

Find the period of the sinusoid shown as a multiple of π: period = ___π



Amplitude, Period & Midline of Sine and Cosine · 19

Find the equation of the midline of the sinusoid shown.

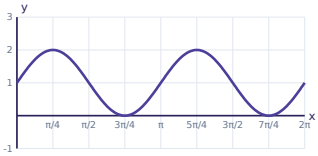


Amplitude, Period & Midline of Sine and Cosine · 20

Write an equation y = a cos(bx) + d with a > 0, amplitude 1, period 2π and midline y = -4.

Amplitude, Period & Midline of Sine and Cosine · 21

Find the amplitude of the sinusoid shown.



Amplitude, Period & Midline of Sine and Cosine · 22

Find the period of y = 6sin(x) - 4 as a multiple of π: period = ___π

Amplitude, Period & Midline of Sine and Cosine · 23

Write an equation y = a cos(bx) + d with a > 0, amplitude 4, period π and midline y = -4.

Amplitude, Period & Midline of Sine and Cosine · 24

Find the period of y = 3cos(2x) - 4 as a multiple of π: period = ___π

Amplitude, Period & Midline of Sine and Cosine · 18

ANSWER

1

Amplitude, Period & Midline of Sine and Cosine · 17

ANSWER

1

Amplitude, Period & Midline of Sine and Cosine · 20

ANSWER

y = cos(x) - 4

Amplitude, Period & Midline of Sine and Cosine · 19

ANSWER

y = 1

Amplitude, Period & Midline of Sine and Cosine · 22

ANSWER

2

Amplitude, Period & Midline of Sine and Cosine · 21

ANSWER

1

Amplitude, Period & Midline of Sine and Cosine · 24

ANSWER

1

Amplitude, Period & Midline of Sine and Cosine · 23

ANSWER

y = 4cos(2x) - 4