Amplitude, Period & Midline of Sine and Cosine · 1

Find the amplitude of y = 3cos(2x) - 4.

Amplitude, Period & Midline of Sine and Cosine · 2

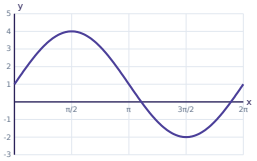
Find the period of y = 2cos(x) as a multiple of π: period = ___π

Amplitude, Period & Midline of Sine and Cosine · 3

Find the midline of y = sin(2x).

Amplitude, Period & Midline of Sine and Cosine · 4

Find the amplitude of the sinusoid shown.



Amplitude, Period & Midline of Sine and Cosine · 5

Find the amplitude of y = 3sin(x) - 4.

Amplitude, Period & Midline of Sine and Cosine · 6

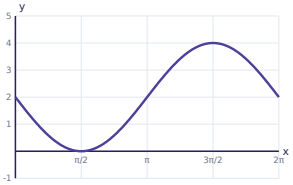
Find the period of y = 3cos(2x) - 5 as a multiple of π: period = ___π

Amplitude, Period & Midline of Sine and Cosine · 7

Find the maximum value of y = 5cos(x) + 1.

Amplitude, Period & Midline of Sine and Cosine · 8

Find the equation of the midline of the sinusoid shown.



Amplitude, Period & Midline of Sine and Cosine · 2

ANSWER

2

Amplitude, Period & Midline of Sine and Cosine · 1

ANSWER

3

Amplitude, Period & Midline of Sine and Cosine · 4

ANSWER

3

Amplitude, Period & Midline of Sine and Cosine · 3

ANSWER

y = 0

Amplitude, Period & Midline of Sine and Cosine · 6

ANSWER

1

Amplitude, Period & Midline of Sine and Cosine · 5

ANSWER

3

Amplitude, Period & Midline of Sine and Cosine · 8

ANSWER

y = 2

Amplitude, Period & Midline of Sine and Cosine · 7

ANSWER

6

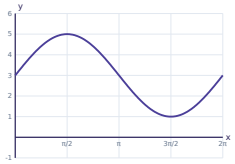
Find the amplitude of y = 4cos(4x).

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

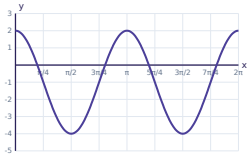
Find the midline of y = 5sin(3x) + 2.

Find the maximum value of y = 5cos(4x) + 1.

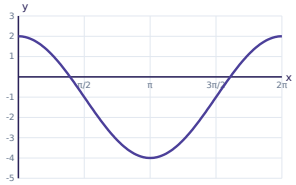
Find the amplitude of the sinusoid shown.



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



Find the equation of the midline of the sinusoid shown.



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

Amplitude, Period & Midline of Sine and Cosine · 10

ANSWER

2

Amplitude, Period & Midline of Sine and Cosine · 9

ANSWER

4

Amplitude, Period & Midline of Sine and Cosine · 12

ANSWER

6

Amplitude, Period & Midline of Sine and Cosine · 11

ANSWER

$y = 2$

Amplitude, Period & Midline of Sine and Cosine · 14

ANSWER

1

Amplitude, Period & Midline of Sine and Cosine · 13

ANSWER

2

Amplitude, Period & Midline of Sine and Cosine · 16

ANSWER

$$\frac{1}{2}$$

Amplitude, Period & Midline of Sine and Cosine · 15

ANSWER

$y = -1$

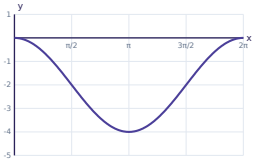
Find the amplitude of $y = -4\sin(2x) + 3$.

Find the period of $y = -3\sin(4x) + 4$ as a multiple of π: period = ___π

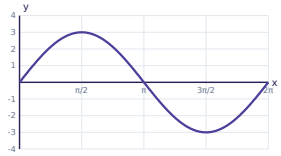
Find the midline of $y = -\sin(4x) - 4$.

Find the maximum value of $y = \cos(8x)$.

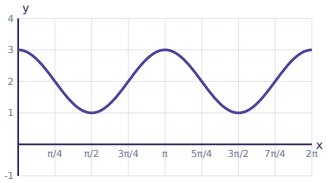
Find the amplitude of the sinusoid shown.



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



Find the equation of the midline of the sinusoid shown.



Find the period of $y = \sin(2x) - 5$ as a multiple of π: period = ___π

Amplitude, Period & Midline of Sine and Cosine · 18

ANSWER

$\frac{1}{2}$

Amplitude, Period & Midline of Sine and Cosine · 17

ANSWER

4

Amplitude, Period & Midline of Sine and Cosine · 20

ANSWER

1

Amplitude, Period & Midline of Sine and Cosine · 19

ANSWER

y = -4

Amplitude, Period & Midline of Sine and Cosine · 22

ANSWER

2

Amplitude, Period & Midline of Sine and Cosine · 21

ANSWER

2

Amplitude, Period & Midline of Sine and Cosine · 24

ANSWER

1

Amplitude, Period & Midline of Sine and Cosine · 23

ANSWER

y = 2