Task card 1 Amplitude, Period & Midline of Sin...

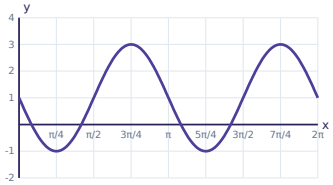
Find the period of y = 4cos(6x) - 2 as a multiple of π: period = ___π

Task card 2 Amplitude, Period & Midline of Sin...

Find the minimum value of y = -3cos(8x) + 5.

Task card 3 Amplitude, Period & Midline of Sin...

Find the equation of the midline of the sinusoid shown.

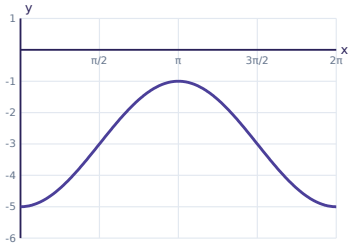


Task card 4 Amplitude, Period & Midline of Sin...

Write an equation y = a cos(bx) + d with a > 0, amplitude 2, period π and midline y = -5.

Task card 5 Amplitude, Period & Midline of Sin...

Find the amplitude of the sinusoid shown.



Task card 6 Amplitude, Period & Midline of Sin...

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

Task card 7 Amplitude, Period & Midline of Sin...

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

Task card 8 Amplitude, Period & Midline of Sin...

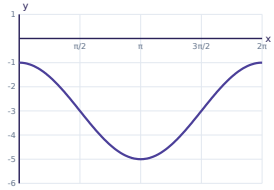
Find the period of y = 4sin(4x) as a multiple of π: period = ___π

Task card 9 Amplitude, Period & Midline of Sin...

Find the minimum value of y = sin(2x) + 1.

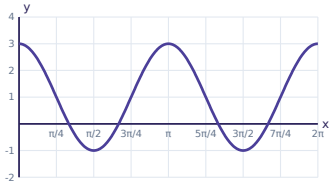
Task card 10 Amplitude, Period & Midline of Sin...

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



Task card 11 Amplitude, Period & Midline of Sin...

Find the equation of the midline of the sinusoid shown.

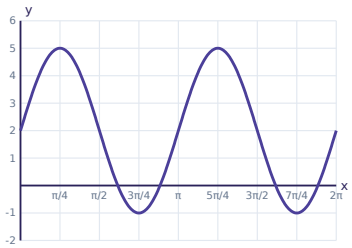


Task card 12 Amplitude, Period & Midline of Sin...

Write an equation y = a sin(bx) + d with a > 0, amplitude 6, period π/3 and midline y = -2.

Task card 13 Amplitude, Period & Midline of Sin...

Find the amplitude of the sinusoid shown.



Task card 14 Amplitude, Period & Midline of Sin...

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

Task card 15 Amplitude, Period & Midline of Sin...

Write an equation y = a cos(bx) + d with a > 0, amplitude 6, period 2π and midline y = 1.

Task card 16 Amplitude, Period & Midline of Sin...

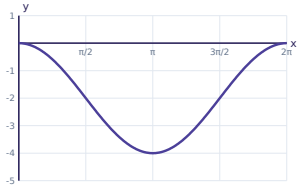
Find the period of y = 5sin(5x) - 5 as a multiple of π: period = ___π

Task card 17 Amplitude, Period & Midline of Sin...

Find the minimum value of y = cos(3x).

Task card 18 Amplitude, Period & Midline of Sin...

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

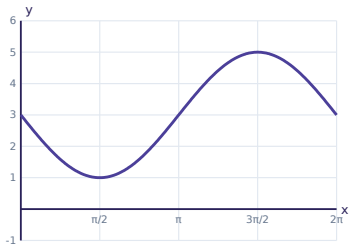


Task card 19 Amplitude, Period & Midline of Sin...

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

Task card 20 Amplitude, Period & Midline of Sin...

Find the amplitude of the sinusoid shown.



Task card 21 Amplitude, Period & Midline of Sin...

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

Task card 22 Amplitude, Period & Midline of Sin...

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

Task card 23 Amplitude, Period & Midline of Sin...

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

Task card 24 Amplitude, Period & Midline of Sin...

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

Amplitude, Period & Midline of Sine and Cosine Task Cards

Recording sheet · Grade 11 · Answer each question. When asked for a multiple of π, type only the number in front of π (for example 2/3).

Scan to check your answers

Name: _____ Date: _____

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Amplitude, Period & Midline of Sine and Cosine Task Cards: Answer Key

Grade 11 · Medium

The answers online

1. $\frac{1}{3}$	**2.** 2	**3.** y = 1
4. y = 2cos(2x) - 5	**5.** 2	**6.** 2
7. y = cos(8x) - 1	**8.** $\frac{1}{2}$	**9.** 0
10. 2	**11.** y = 1	**12.** y = 6sin(6x) - 2
13. 3	**14.** 1	**15.** y = 6cos(x) + 1
16. $\frac{2}{5}$	**17.** -1	**18.** 2
19. y = 4cos(x) - 4	**20.** 2	**21.** 1
22. y = 3cos(3x) + 2	**23.** $\frac{2}{3}$	**24.** -6