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

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

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

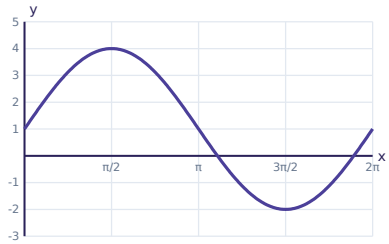
Find the period of y = 2cos(x) as a multiple of π: period = ___π

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

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

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

Find the amplitude of the sinusoid shown.



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

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

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

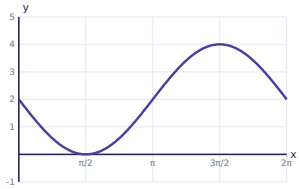
Find the period of y = 3cos(2x) - 5 as a multiple of π: period = ___π

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

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

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

Find the equation of the midline of the sinusoid shown.



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

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

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

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

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

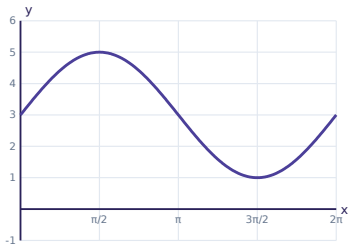
Find the midline of y = 5sin(3x) + 2.

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

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

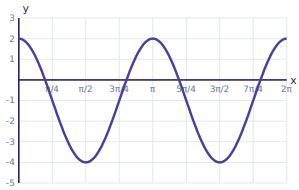
Task card 13 Amplitude, Period & Midline of Sin...

Find the amplitude of the sinusoid shown.



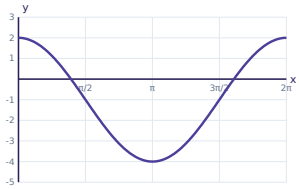
Task card 14 Amplitude, Period & Midline of Sin...

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



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

Find the equation of the midline of the sinusoid shown.



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

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

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

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

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

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

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

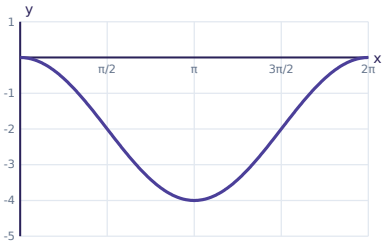
Find the midline of y = -sin(4x) - 4.

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

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

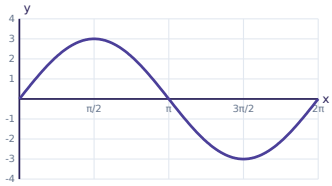
Task card 21 Amplitude, Period & Midline of Sin...

Find the amplitude of the sinusoid shown.



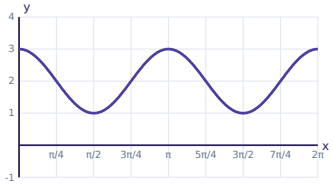
Task card 22 Amplitude, Period & Midline of Sin...

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



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

Find the equation of the midline of the sinusoid shown.



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

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

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 · Easy

The answers online

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