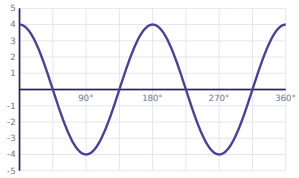
**Task card 1** Graphs of Sine & Cosine

For y = cos(2x): What is the period, in degrees?

**Task card 2** Graphs of Sine & Cosine

The graph shows a sine or cosine curve. What is the amplitude?




**Task card 3** Graphs of Sine & Cosine

For y = 6cos(3x): What is the amplitude?

**Task card 4** Graphs of Sine & Cosine

The graph shows a sine or cosine curve. What is the amplitude?

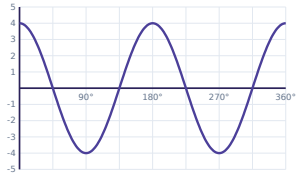



**Task card 5** Graphs of Sine & Cosine

For y = 2sin(4x): What is the amplitude?

**Task card 6** Graphs of Sine & Cosine

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

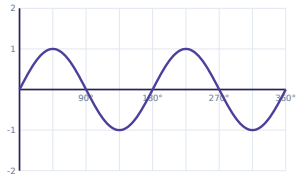


**Task card 7** Graphs of Sine & Cosine

For y = 5cos(2x): What is the amplitude?

**Task card 8** Graphs of Sine & Cosine

The graph shows a sine or cosine curve. What is the amplitude?

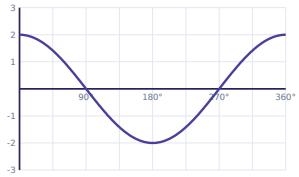



**Task card 9** Graphs of Sine & Cosine

For y = sin(2x): What is the amplitude?

**Task card 10** Graphs of Sine & Cosine

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

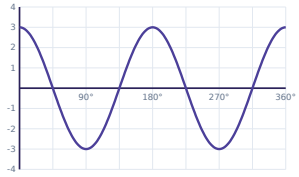



**Task card 11** Graphs of Sine & Cosine

For y = 2sin(4x): What is the period, in degrees?

**Task card 12** Graphs of Sine & Cosine

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

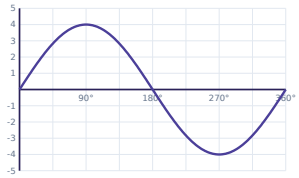


**Task card 13** Graphs of Sine & Cosine

For y = 5sin(x): What is the period, in degrees?

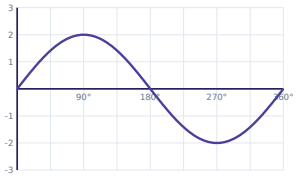
**Task card 14** Graphs of Sine & Cosine

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




**Task card 15** Graphs of Sine & Cosine

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

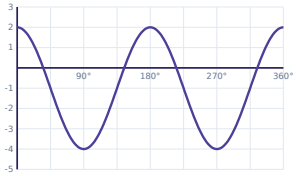



**Task card 16** Graphs of Sine & Cosine

For y = 3cos(9x) - 5: What is the amplitude?

**Task card 17** Graphs of Sine & Cosine

The graph shows a sine or cosine curve. What is the amplitude?

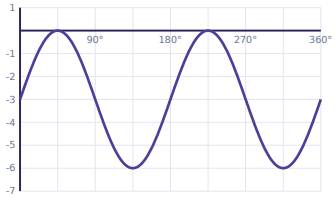



**Task card 18** Graphs of Sine & Cosine

For y = 3sin(9x) + 4: What is the period, in degrees?

**Task card 19** Graphs of Sine & Cosine

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

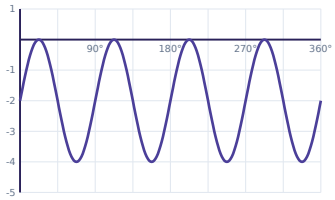



**Task card 20** Graphs of Sine & Cosine

For y = -6cos(9x) + 2: What is the amplitude?

**Task card 21** Graphs of Sine & Cosine

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

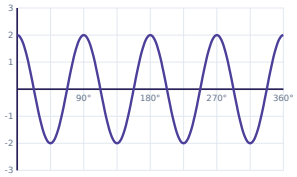



**Task card 22** Graphs of Sine & Cosine

For y = -2sin(8x): What is the period, in degrees?

**Task card 23** Graphs of Sine & Cosine

The graph shows a sine or cosine curve. What is the amplitude?




**Task card 24** Graphs of Sine & Cosine

For y = 5cos(3x): What is the amplitude?

# Graphs of Sine & Cosine Task Cards

Recording sheet · Grade 12 · Answer each question. x is measured in degrees; give periods and phase shifts in degrees and the midline as y = k.

Name: _____ Date: _____

Scan to check your answers

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

# Graphs of Sine & Cosine Task Cards: Answer Key

Grade 12 · Easy

The answers online

| | | |
|---|---|---|
| **1.** 180° | **2.** 4 | **3.** 6 |
| **4.** 2 | **5.** 2 | **6.** 180° |
| **7.** 5 | **8.** 1 | **9.** 1 |
| **10.** 360° | **11.** 90° | **12.** 180° |
| **13.** 360° | **14.** 360° | **15.** 360° |
| **16.** 3 | **17.** 3 | **18.** 40° |
| **19.** y = -3 | **20.** 6 | **21.** y = -2 |
| **22.** 45° | **23.** 2 | **24.** 5 |