**Task card 1** Evaluating Piecewise Functions

$f(x) = -3x + 2$ if $x < 3$; $f(x) = -2x$ if $x \geq 3$. Find $f(6)$.

**Task card 2** Evaluating Piecewise Functions

$f(x) = 3x - 1$ if $x < -1$; $f(x) = -x + 1$ if $x \geq -1$. Find $f(-3)$.

**Task card 3** Evaluating Piecewise Functions

$f(x) = -2x + 1$ if $x < 4$; $f(x) = 2x + 2$ if $x \geq 4$. Find $f(2)$.

**Task card 4** Evaluating Piecewise Functions

$f(x) = -x - 2$ if $x < -1$; $f(x) = 2x + 3$ if $x \geq -1$. Find $f(2)$.

**Task card 5** Evaluating Piecewise Functions

$f(x) = -2x + 3$ if $x < -2$; $f(x) = 3x + 3$ if $x \geq -2$. Find $f(-6)$.

**Task card 6** Evaluating Piecewise Functions

$f(x) = 2x - 1$ if $x < 0$; $f(x) = x - 2$ if $x \geq 0$. Find $f(-4)$.

**Task card 7** Evaluating Piecewise Functions

$f(x) = -3x + 2$ if $x < 2$; $f(x) = -2x + 1$ if $x \geq 2$. Find $f(3)$.

**Task card 8** Evaluating Piecewise Functions

$f(x) = -x - 2$ if $x < -1$; $f(x) = -x - 2$ if $x \geq -1$. Find $f(2)$.

**Task card 9** Evaluating Piecewise Functions

$f(x) = -2x - 1$ if $x < 2$; $f(x) = 3x - 3$ if $x \geq 2$. Find $f(4)$.

**Task card 10** Evaluating Piecewise Functions

$f(x) = 2x$ if $x < -4$; $f(x) = -4x - 2$ if $x \geq -4$. Find $f(-7)$.

**Task card 11** Evaluating Piecewise Functions

$f(x) = 3x - 1$ if $x < -4$; $f(x) = 3x + 3$ if $x \geq -4$. Find $f(-3)$.

**Task card 12** Evaluating Piecewise Functions

$f(x) = 4x - 2$ if $x < -1$; $f(x) = -3x + 3$ if $x \geq -1$. Find $f(2)$.

**Task card 13** Evaluating Piecewise Functions

$f(x) = x - 1$ if $x < -3$; $f(x) = 2x - 2$ if $x \geq -3$. Find $f(0)$.

**Task card 14** Evaluating Piecewise Functions

$f(x) = 3x + 3$ if $x < 2$; $f(x) = x + 3$ if $x \geq 2$. Find $f(1)$.

**Task card 15** Evaluating Piecewise Functions

$f(x) = -x - 2$ if $x < 1$; $f(x) = 2x - 1$ if $x \geq 1$. Find $f(-4)$.

**Task card 16** Evaluating Piecewise Functions

$f(x) = 2x + 2$ if $x < -4$; $f(x) = -2x + 4$ if $x \geq -4$. Find $f(-2)$.

**Task card 17** Evaluating Piecewise Functions

$f(x) = -5x - 2$ if $x < -5$; $f(x) = 4x - 1$ if $x \geq -5$. Find $f(-5)$.

**Task card 18** Evaluating Piecewise Functions

$f(x) = -3x - 1$ if $x < -2$; $f(x) = -5x - 4$ if $x \geq -2$. Find $f(-4)$.

**Task card 19** Evaluating Piecewise Functions

$f(x) = 2x + 4$ if $x < 5$; $f(x) = x + 5$ if $x \geq 5$. Find $f(7)$.

**Task card 20** Evaluating Piecewise Functions

$f(x) = -3x - 1$ if $x < 2$; $f(x) = -2x + 1$ if $x \geq 2$. Find $f(-1)$.

**Task card 21** Evaluating Piecewise Functions

$f(x) = x$ if $x < 5$; $f(x) = x - 4$ if $x \geq 5$. Find $f(4)$.

**Task card 22** Evaluating Piecewise Functions

$f(x) = x + 4$ if $x < 1$; $f(x) = -4x - 3$ if $x \geq 1$. Find $f(3)$.

**Task card 23** Evaluating Piecewise Functions

$f(x) = 4x + 5$ if $x < 5$; $f(x) = -2x - 3$ if $x \geq 5$. Find $f(7)$.

**Task card 24** Evaluating Piecewise Functions

$f(x) = -2x + 1$ if $x < 5$; $f(x) = 5x$ if $x \geq 5$. Find $f(4)$.

# Evaluating Piecewise Functions Task Cards

Recording sheet · Grade 12 · Evaluate the function at the given value of x.

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 |

# Evaluating Piecewise Functions Task Cards: Answer Key

Grade 12 · Easy

The answers online

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