Task card 1 Evaluating Piecewise Functions

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

Task card 2 Evaluating Piecewise Functions

$f(x) = 7x + 2$ if $x < 0$; $f(x) = 4x - 1$ if $x \geq 0$. Find $f(5)$.

Task card 3 Evaluating Piecewise Functions

$f(x) = -4x + 5$ if $x < 4$; $f(x) = 6x + 6$ if $x \geq 4$. Find $f(5)$.

Task card 4 Evaluating Piecewise Functions

$f(x) = 4x - 6$ if $x < -4$; $f(x) = -4x - 2$ if $x \geq -4$. Find $f(-1)$.

Task card 5 Evaluating Piecewise Functions

$f(x) = 6x - 1$ if $x < 2$; $f(x) = 4x - 4$ if $x \geq 2$. Find $f(-1)$.

Task card 6 Evaluating Piecewise Functions

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

Task card 7 Evaluating Piecewise Functions

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

Task card 8 Evaluating Piecewise Functions

$f(x) = -2x + 1$ if $x < 5$; $f(x) = -6x - 5$ if $x \geq 5$. Find $f(0)$.

Task card 9 Evaluating Piecewise Functions

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

Task card 10 Evaluating Piecewise Functions

$f(x) = x + 5$ if $x < 4$; $f(x) = 8x - 5$ if $x \geq 4$. Find $f(9)$.

Task card 11 Evaluating Piecewise Functions

$f(x) = -6x + 7$ if $x < -5$; $f(x) = 3x - 1$ if $x \geq -5$. Find $f(-1)$.

Task card 12 Evaluating Piecewise Functions

$f(x) = 5x + 8$ if $x < 2$; $f(x) = -8x + 3$ if $x \geq 2$. Find $f(7)$.

Task card 13 Evaluating Piecewise Functions

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

Task card 14 Evaluating Piecewise Functions

$f(x) = 4x + 8$ if $x < -3$; $f(x) = 8x - 4$ if $x \geq -3$. Find $f(-4)$.

Task card 15 Evaluating Piecewise Functions

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

Task card 16 Evaluating Piecewise Functions

$f(x) = 6x + 3$ if $x < 5$; $f(x) = -4x + 1$ if $x \geq 5$. Find $f(8)$.

Task card 17 Evaluating Piecewise Functions

$f(x) = 3x - 3$ if $x < -4$; $f(x) = 3x + 6$ if $x \geq -4$. Find $f(-5)$.

Task card 18 Evaluating Piecewise Functions

$f(x) = 8x + 2$ if $x < 4$; $f(x) = -8x + 3$ if $x \geq 4$. Find $f(1)$.

Task card 19 Evaluating Piecewise Functions

$f(x) = 2x + 7$ if $x < -4$; $f(x) = x + 8$ if $x \geq -4$. Find $f(-5)$.

Task card 20 Evaluating Piecewise Functions

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

Task card 21 Evaluating Piecewise Functions

$f(x) = -2x - 4$ if $x < 4$; $f(x) = -4x + 8$ if $x \geq 4$. Find $f(5)$.

Task card 22 Evaluating Piecewise Functions

$f(x) = -7x - 8$ if $x < 0$; $f(x) = -8x - 7$ if $x \geq 0$. Find $f(-3)$.

Task card 23 Evaluating Piecewise Functions

$f(x) = 7x - 6$ if $x < -3$; $f(x) = x + 4$ if $x \geq -3$. Find $f(0)$.

Task card 24 Evaluating Piecewise Functions

$f(x) = -3x + 8$ if $x < -2$; $f(x) = -6x$ if $x \geq -2$. Find $f(-6)$.

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 · Hard

The answers online

1. 4	**2.** 19	**3.** 36
4. 2	**5.** -7	**6.** -6
7. -17	**8.** 1	**9.** -7
10. 67	**11.** -4	**12.** -53
13. 5	**14.** -8	**15.** 40
16. -31	**17.** -18	**18.** 10
19. -3	**20.** 3	**21.** -12
22. 13	**23.** 4	**24.** 26