Task card 1 Inverses of Linear Functions

The point (-9, -1) is on the graph of f. Which point must be on the graph of f^{-1}?

Task card 2 Inverses of Linear Functions

$f(x) = 5x - 9$.

Find $f^{-1}(-39)$.

Task card 3 Inverses of Linear Functions

Find the inverse of $f(x) = 4x - 16$.

Task card 4 Inverses of Linear Functions

The point (1, 8) is on the graph of f. Which point must be on the graph of f^{-1}?

Task card 5 Inverses of Linear Functions

$f(x) = 5x - 5$.

Find $f^{-1}(-10)$.

Task card 6 Inverses of Linear Functions

Find the inverse of $f(x) = 5x$.

Task card 7 Inverses of Linear Functions

$f(x) = -3x + 9$ and $g(x) = -1/3x - 3$. Are f and g inverses of each other?

Task card 8 Inverses of Linear Functions

The point (-9, -2) is on the graph of f. Which point must be on the graph of f^{-1}?

Task card 9 Inverses of Linear Functions

$f(x) = 2x + 1$.

Find $f^{-1}(-11)$.

Task card 10 Inverses of Linear Functions

Find the inverse of $f(x) = 4x + 4$.

Task card 11 Inverses of Linear Functions

The point (0, -4) is on the graph of f. Which point must be on the graph of f^{-1}?

Task card 12 Inverses of Linear Functions

$f(x) = 2x + 3$.

Find $f^{-1}(-5)$.

Task card 13 Inverses of Linear Functions

Find the inverse of $f(x) = 3x - 21$.

Task card 14 Inverses of Linear Functions

$f(x) = -4x + 24$ and $g(x) = 1/4x + 6$. Are f and g inverses of each other?

Task card 15 Inverses of Linear Functions

$f(x) = 2x + 3$.

Find $f^{-1}(19)$.

Task card 16 Inverses of Linear Functions

Find the inverse of $f(x) = 4x - 12$.

Task card 17 Inverses of Linear Functions

$f(x) = -3x - 12$ and $g(x) = 1/3x - 4$. Are f and g inverses of each other?

Task card 18 Inverses of Linear Functions

Find the inverse of $f(x) = -2x + 2$.

Task card 19 Inverses of Linear Functions

$f(x) = -5x - 4$.

Find $f^{-1}(-19)$.

Task card 20 Inverses of Linear Functions

$f(x) = -2x + 12$ and $g(x) = -1/2x - 6$. Are f and g inverses of each other?

Task card 21 Inverses of Linear Functions

Find the inverse of $f(x) = -2x - 2$.

Task card 22 Inverses of Linear Functions

The point (9, -4) is on the graph of f. Which point must be on the graph of f^{-1}?

Task card 23 Inverses of Linear Functions

$f(x) = 2x - 3$.

Find $f^{-1}(11)$.

Task card 24 Inverses of Linear Functions

Find the inverse of $f(x) = 2x$.

Inverses of Linear Functions Task Cards

Recording sheet · Grade 9 · Write an inverse function in slope-intercept form without "f^-1(x) =", like 1/3x - 2 or 2x + 6. Write a point like (8, 3). Answer yes or no when asked whether two functions are inverses.

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

Inverses of Linear Functions Task Cards: Answer Key

Grade 9 · Easy

The answers online

1. (-1, -9)	**2.** -6	**3.** 1/4x + 4
4. (8, 1)	**5.** -1	**6.** 1/5x
7. no	**8.** (-2, -9)	**9.** -6
10. 1/4x - 1	**11.** (-4, 0)	**12.** -4
13. 1/3x + 7	**14.** no	**15.** 8
16. 1/4x + 3	**17.** no	**18.** -1/2x + 1
19. 3	**20.** no	**21.** -1/2x - 1
22. (-4, 9)	**23.** 7	**24.** 1/2x