Task card 1 Linear or Nonlinear? (Equations)

Is the function $y = (x + 7)^2$ linear or nonlinear?

Task card 2 Linear or Nonlinear? (Equations)

Is the function $y = x(x + 1) - x^2$ linear or nonlinear?

Task card 3 Linear or Nonlinear? (Equations)

Is the function $y = \sqrt{x} - 8$ linear or nonlinear?

Task card 4 Linear or Nonlinear? (Equations)

Is the function $y = 5(x + 3)$ linear or nonlinear?

Task card 5 Linear or Nonlinear? (Equations)

Is the function $y + 1 = x$ linear or nonlinear?

Task card 6 Linear or Nonlinear? (Equations)

Is the function $y = x(x + 7)$ linear or nonlinear?

Task card 7 Linear or Nonlinear? (Equations)

Is the function $y = (x - 4)^2$ linear or nonlinear?

Task card 8 Linear or Nonlinear? (Equations)

Is the function $3y = -6x + 24$ linear or nonlinear?

Task card 9 Linear or Nonlinear? (Equations)

Is the function $y = 2(x - 2)$ linear or nonlinear?

Task card 10 Linear or Nonlinear? (Equations)

Is the function $xy = 8$ linear or nonlinear?

Task card 11 Linear or Nonlinear? (Equations)

Is the function $y - 1 = 9x$ linear or nonlinear?

Task card 12 Linear or Nonlinear? (Equations)

Is the function $xy = 10$ linear or nonlinear?

Task card 13 Linear or Nonlinear? (Equations)

Is the function $y - 2 = -9x$ linear or nonlinear?

Task card 14 Linear or Nonlinear? (Equations)

Is the function $y = x(x - 5)$ linear or nonlinear?

Task card 15 Linear or Nonlinear? (Equations)

Is the function $y = x(x - 1) - x^2$ linear or nonlinear?

Task card 16 Linear or Nonlinear? (Equations)

Is the function $y = \sqrt{x} - 2$ linear or nonlinear?

Task card 17 Linear or Nonlinear? (Equations)

Is the function $3y = -6x + 12$ linear or nonlinear?

Task card 18 Linear or Nonlinear? (Equations)

Is the function $y = (x + 8)^2$ linear or nonlinear?

Task card 19 Linear or Nonlinear? (Equations)

Is the function $y = \sqrt{x} + 1$ linear or nonlinear?

Task card 20 Linear or Nonlinear? (Equations)

Is the function $2y = -6x + 6$ linear or nonlinear?

Task card 21 Linear or Nonlinear? (Equations)

Is the function $y = x(x + 3)$ linear or nonlinear?

Task card 22 Linear or Nonlinear? (Equations)

Is the function $y = (x + 6)^2$ linear or nonlinear?

Task card 23 Linear or Nonlinear? (Equations)

Is the function $4y = -36x + 32$ linear or nonlinear?

Task card 24 Linear or Nonlinear? (Equations)

Is the function $y + 1 = 8x$ linear or nonlinear?

Linear or Nonlinear? (Equations) Task Cards

Recording sheet · Grade 8 · Write "linear" or "nonlinear" for each equation.

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

Linear or Nonlinear? (Equations) Task Cards: Answer Key

Grade 8 · Hard

The answers online

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