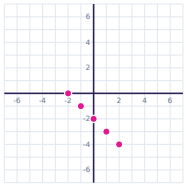
Task card 1 Linear & Nonlinear Functions

Is the function $y = \frac{x}{3} + 7$ linear or nonlinear?

Task card 2 Linear & Nonlinear Functions

Do the plotted points lie on a linear or a nonlinear function?

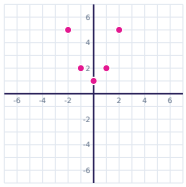


Task card 3 Linear & Nonlinear Functions

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

Task card 4 Linear & Nonlinear Functions

Do the plotted points lie on a linear or a nonlinear function?

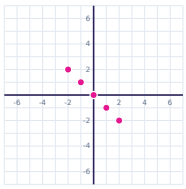


Task card 5 Linear & Nonlinear Functions

Is the function $y = x(x + 4)$ linear or nonlinear?

Task card 6 Linear & Nonlinear Functions

Do the plotted points lie on a linear or a nonlinear function?

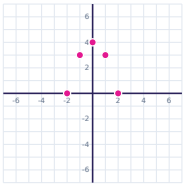


Task card 7 Linear & Nonlinear Functions

Is the function $y = 9$ linear or nonlinear?

Task card 8 Linear & Nonlinear Functions

Do the plotted points lie on a linear or a nonlinear function?



Task card 9 Linear & Nonlinear Functions

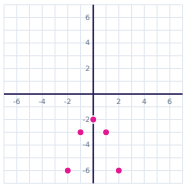
Is the function $y = \frac{3}{x}$ linear or nonlinear?

Task card 10 Linear & Nonlinear Functions

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

Task card 11 Linear & Nonlinear Functions

Do the plotted points lie on a linear or a nonlinear function?

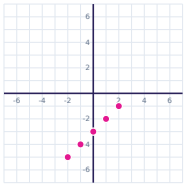


Task card 12 Linear & Nonlinear Functions

Is the function $y = 7x^3 - 2x$ linear or nonlinear?

Task card 13 Linear & Nonlinear Functions

Do the plotted points lie on a linear or a nonlinear function?

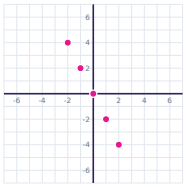


Task card 14 Linear & Nonlinear Functions

Is the function y = 5x - 6 linear or nonlinear?

Task card 15 Linear & Nonlinear Functions

Do the plotted points lie on a linear or a nonlinear function?

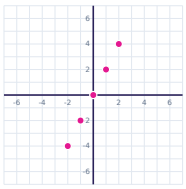


Task card 16 Linear & Nonlinear Functions

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

Task card 17 Linear & Nonlinear Functions

Do the plotted points lie on a linear or a nonlinear function?



Task card 18 Linear & Nonlinear Functions

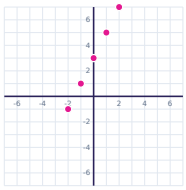
Is the function $y = 9^x$ linear or nonlinear?

Task card 19 Linear & Nonlinear Functions

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

Task card 20 Linear & Nonlinear Functions

Do the plotted points lie on a linear or a nonlinear function?

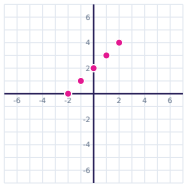


Task card 21 Linear & Nonlinear Functions

Is the function $y = 2(x + 9)$ linear or nonlinear?

Task card 22 Linear & Nonlinear Functions

Do the plotted points lie on a linear or a nonlinear function?

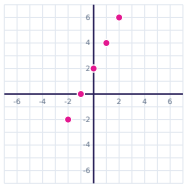


Task card 23 Linear & Nonlinear Functions

Is the function $y = 4x^3 + 2x$ linear or nonlinear?

Task card 24 Linear & Nonlinear Functions

Do the plotted points lie on a linear or a nonlinear function?



Linear & Nonlinear Functions Task Cards

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

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 & Nonlinear Functions Task Cards: Answer Key

Grade 8 · Hard

The answers online

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