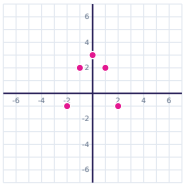
Task card 1 Linear & Nonlinear Functions

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

Task card 2 Linear & Nonlinear Functions

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

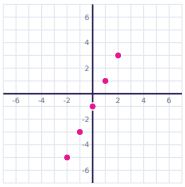


Task card 3 Linear & Nonlinear Functions

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

Task card 4 Linear & Nonlinear Functions

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

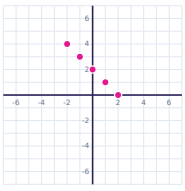


Task card 5 Linear & Nonlinear Functions

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

Task card 6 Linear & Nonlinear Functions

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

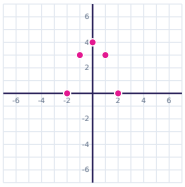


Task card 7 Linear & Nonlinear Functions

Is the function $y = x^2 - 3$ 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

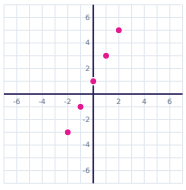
Is the function $y = x^2 + 6$ linear or nonlinear?

Task card 10 Linear & Nonlinear Functions

Is the function $y = -4x - 3$ linear or nonlinear?

Task card 11 Linear & Nonlinear Functions

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

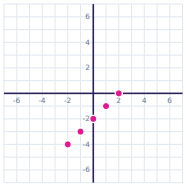


Task card 12 Linear & Nonlinear Functions

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

Task card 13 Linear & Nonlinear Functions

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

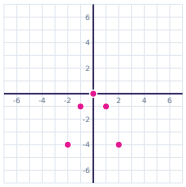


Task card 14 Linear & Nonlinear Functions

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

Task card 15 Linear & Nonlinear Functions

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

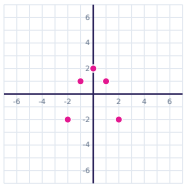


Task card 16 Linear & Nonlinear Functions

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

Task card 17 Linear & Nonlinear Functions

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

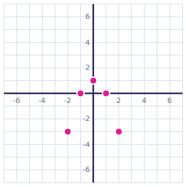


Task card 18 Linear & Nonlinear Functions

Is the function $y = \frac{x}{8} + 2$ linear or nonlinear?

Task card 19 Linear & Nonlinear Functions

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

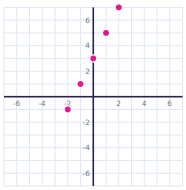


Task card 20 Linear & Nonlinear Functions

Is the function $y = 5(x + 6)$ linear or nonlinear?

Task card 21 Linear & Nonlinear Functions

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

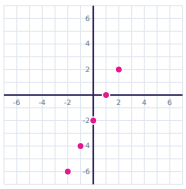


Task card 22 Linear & Nonlinear Functions

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

Task card 23 Linear & Nonlinear Functions

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



Task card 24 Linear & Nonlinear Functions

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

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 · Medium

The answers online

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