



Determine if each equation describes a function (yes) or not (no). In the equation  $x$  represents the input and  $y$  represents the output.

Answers

1)  $4y = x$

2)  $y^9 = 2 + x$

1. \_\_\_\_\_

3)  $y^6 = 2 \div x$

4)  $y \times 8 = x$

2. \_\_\_\_\_

5)  $y^4 = 2 + x$

6)  $y^{-8} \times 2 = x$

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7)  $y = 9$

8)  $y = 4 + x$

7. \_\_\_\_\_

8. \_\_\_\_\_

9)  $y^4 + x = 7$

10)  $y^{-6} + 9 = x$

9. \_\_\_\_\_

10. \_\_\_\_\_

11)  $y^{-4} = x - 4$

12)  $y^{-4} = x + 7$

11. \_\_\_\_\_

12. \_\_\_\_\_

13)  $x + 9 = y^2$

14)  $y^7 = 2 \times x$

13. \_\_\_\_\_

14. \_\_\_\_\_

15)  $y^4 = x^8$

16)  $y = -4$

15. \_\_\_\_\_

16. \_\_\_\_\_

17)  $y^{-6} = x$

18)  $y = 3 - x$

17. \_\_\_\_\_

18. \_\_\_\_\_

19)  $y = x - 9$

20)  $y - 9 = x$

19. \_\_\_\_\_

20. \_\_\_\_\_



Determine if each equation describes a function (yes) or not (no). In the equation  $x$  represents the input and  $y$  represents the output.

		<u>Answers</u>
1) $4y = x$	2) $y^9 = 2 + x$	1. <u>yes</u>
		2. <u>yes</u>
3) $y^6 = 2 \div x$	4) $y \times 8 = x$	3. <u>no</u>
		4. <u>yes</u>
5) $y^4 = 2 + x$	6) $y^{-8} \times 2 = x$	5. <u>no</u>
		6. <u>no</u>
7) $y = 9$	8) $y = 4 + x$	7. <u>yes</u>
		8. <u>yes</u>
9) $y^4 + x = 7$	10) $y^{-6} + 9 = x$	9. <u>no</u>
		10. <u>no</u>
11) $y^{-4} = x - 4$	12) $y^{-4} = x + 7$	11. <u>no</u>
		12. <u>no</u>
13) $x + 9 = y^2$	14) $y^7 = 2 \times x$	13. <u>no</u>
		14. <u>yes</u>
15) $y^4 = x^8$	16) $y = -4$	15. <u>no</u>
		16. <u>yes</u>
17) $y^{-6} = x$	18) $y = 3 - x$	17. <u>no</u>
		18. <u>yes</u>
19) $y = x - 9$	20) $y - 9 = x$	19. <u>yes</u>
		20. <u>yes</u>