



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)  $x = -7$

2)  $y^{-4} \times 4 = x$

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

3)  $y^6 + x = 7$

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

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

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

5)  $y^{-8} = x + 6$

6)  $y = x^8$

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

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

7)  $y = 8 - x$

8)  $y = x + 5$

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

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

9)  $y = x \div 9$

10)  $y = 7 \div x$

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

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

11)  $y^6 = 2 + x$

12)  $y^{-6} + 3 = x$

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

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

13)  $y^1 = 2 \div x$

14)  $y^{-8} = 7x$

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

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

15)  $y^2 = 2 \div x$

16)  $y + 5 = x$

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

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

17)  $y^6 = x^9$

18)  $x \div 7 = y^6$

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

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

19)  $y^1 = 2 - x$

20)  $y \div 5 = x$

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

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