



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

2)  $y = x - 3$

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

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

4)  $y^4 + x = 5$

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

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

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

6)  $y = 6 \div x$

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

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

7)  $y + x = 3$

8)  $y = 3$

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

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

9)  $x = 3 + y$

10)  $y - 7 = x$

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

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

11)  $y^{-8} \div 6 = x$

12)  $x \div 9 = y^2$

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

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

13)  $x - 7 = y^8$

14)  $7y = 8x$

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

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

15)  $y^{-4} = x + 8$

16)  $x = 5 - y$

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

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

17)  $y^{-6} = x - 9$

18)  $y^{-2} - 3 = x$

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

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

19)  $y^9 = x^8$

20)  $y^9 = 2 \div x$

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.

Answers

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