



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)  $y \div 2 = x$

2)  $y^5 = 2 - x$

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

3)  $y^{-8} = x - 4$

4)  $y \times 6 = x$

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

5)  $y^{-2} \div 3 = x$

6)  $y^9 = 2 + x$

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

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

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

8)  $y^2 + x = 3$

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

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

9)  $y^8 = 2 - x$

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

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

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

11)  $y^{-2} = x$

12)  $y^8 = x^9$

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

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

13)  $x = 6 \div y$

14)  $y^5 = 2 \times x$

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

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

15)  $y = x \times 7$

16)  $y^9 = x^3$

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

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

17)  $y = x \div 3$

18)  $y - 3 = x$

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

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

19)  $x = 2 \times y$

20)  $x - 8 = y^4$

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

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

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

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



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Answers

1)  $y \div 2 = x$

2)  $y^5 = 2 - x$

1. yes

3)  $y^{-8} = x - 4$

4)  $y \times 6 = x$

2. yes

5)  $y^{-2} \div 3 = x$

6)  $y^9 = 2 + x$

3. no4. yes5. no

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

8)  $y^2 + x = 3$

6. yes7. no

9)  $y^8 = 2 - x$

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

8. no9. no

11)  $y^{-2} = x$

12)  $y^8 = x^9$

10. no11. no

13)  $x = 6 \div y$

14)  $y^5 = 2 \times x$

12. no13. yes

15)  $y = x \times 7$

16)  $y^9 = x^3$

14. yes15. yes

17)  $y = x \div 3$

18)  $y - 3 = x$

16. yes17. yes

19)  $x = 2 \times y$

20)  $x - 8 = y^4$

18. yes19. yes20. no