



Identify Functions (Equations)

Name: _____

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) $y = x \times 7$

2) $y^6 = 2 - x$

1. _____

3) $x \times 8 = y^8$

4) $x - 2 = y^6$

2. _____

3. _____

5) $x \div 2 = y^4$

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

4. _____

5. _____

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

8) $y \div 3 = x$

6. _____

7. _____

9) $y = 5$

10) $x = 4$

8. _____

9. _____

11) $x = 3 - y$

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

10. _____

11. _____

13) $y + x = 9$

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

12. _____

13. _____

15) $y = x^1$

16) $y^3 = 2 + x$

14. _____

15. _____

17) $y - 5 = x$

18) $y^6 = x^7$

16. _____

17. _____

19) $y^9 = 2 \times x$

20) $y^{-8} = x - 6$

18. _____

19. _____

20. _____



Identify Functions (Equations)

Name: **Answer Key**

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) $y = x \times 7$

2) $y^6 = 2 - x$

1. **yes**

3) $x \times 8 = y^8$

4) $x - 2 = y^6$

2. **no**3. **no**

5) $x \div 2 = y^4$

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

4. **no**5. **no**

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

8) $y \div 3 = x$

6. **no**7. **no**

9) $y = 5$

10) $x = 4$

8. **yes**9. **yes**

11) $x = 3 - y$

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

10. **no**11. **yes**

13) $y + x = 9$

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

12. **no**13. **yes**

15) $y = x^1$

16) $y^3 = 2 + x$

14. **yes**15. **yes**

17) $y - 5 = x$

18) $y^6 = x^7$

16. **yes**17. **yes**

19) $y^9 = 2 \times x$

20) $y^{-8} = x - 6$

18. **no**19. **yes**20. **no**