



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

2) $y^{-4} + 9 = x$

1. _____

3) $y^2 = 2 - x$

4) $y = 7 \times x$

2. _____

5) $y = x - 7$

6) $y = x + 5$

3. _____

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

8) $y^5 = x^9$

4. _____

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

10) $x = 8 \times y$

5. _____

11) $y^1 = x^7$

12) $x - 9 = y^8$

6. _____

13) $x + 3 = y^4$

14) $y = x \times 2$

7. _____

15) $y^8 = x^7$

16) $y^2 = 2 + x$

8. _____

17) $y + 8 = x$

18) $2y = x$

9. _____

19) $y = 3 + x$

20) $y^3 = 2 + x$

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

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

2) $y^{-4} + 9 = x$

1. **no**

3) $y^2 = 2 - x$

4) $y = 7 \times x$

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

5) $y = x - 7$

6) $y = x + 5$

4. **yes**5. **yes**

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

8) $y^5 = x^9$

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

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

10) $x = 8 \times y$

8. **yes**9. **no**

11) $y^1 = x^7$

12) $x - 9 = y^8$

10. **yes**11. **yes**

13) $x + 3 = y^4$

14) $y = x \times 2$

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

15) $y^8 = x^7$

16) $y^2 = 2 + x$

14. **yes**15. **no**

17) $y + 8 = x$

18) $2y = x$

16. **no**17. **yes**

19) $y = 3 + x$

20) $y^3 = 2 + x$

18. **yes**19. **yes**20. **yes**