

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) $y - 7 = x$

2) $y^8 = 2 \times x$

1. _____

2. _____

3) $x + 8 = y^2$

4) $y^{-8} = x - 9$

3. _____

4. _____

5) $x \div 7 = y^8$

6) $x - 9 = y^8$

5. _____

6. _____

7) $x = 8 + y$

8) $y = x^7$

7. _____

8. _____

9) $x = 6 \div y$

10) $y^9 = x^4$

9. _____

10. _____

11) $y = x + 4$

12) $y = x - 2$

11. _____

12. _____

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

14) $y \times 8 = x$

13. _____

14. _____

15) $y + 2 = x$

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

15. _____

16. _____

17) $y = 9 - x$

18) $y^4 = 2 - x$

17. _____

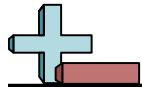
18. _____

19) $y^2 + x = 6$

20) $x \times 5 = y^6$

19. _____

20. _____



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Name: **Answer Key**

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1) $y - 7 = x$

2) $y^8 = 2 \times x$

1. **yes**

3) $x + 8 = y^2$

4) $y^{-8} = x - 9$

2. **no**

5) $x \div 7 = y^8$

6) $x - 9 = y^8$

3. **no**

7) $x = 8 + y$

8) $y = x^7$

4. **no**

9) $x = 6 \div y$

10) $y^9 = x^4$

5. **no**

11) $y = x + 4$

12) $y = x - 2$

6. **yes**

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

14) $y \times 8 = x$

7. **yes**

15) $y + 2 = x$

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

8. **yes**

17) $y = 9 - x$

18) $y^4 = 2 - x$

9. **no**

19) $y^2 + x = 6$

20) $x \times 5 = y^6$

10. **no**