



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) $4y = x$

2) $y^9 = 2 + x$

1. _____

2. _____

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

4) $y \times 8 = x$

3. _____

4. _____

5) $y^4 = 2 + x$

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

5. _____

6. _____

7) $y = 9$

8) $y = 4 + x$

7. _____

8. _____

9) $y^4 + x = 7$

10) $y^{-6} + 9 = x$

9. _____

10. _____

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

12) $y^{-4} = x + 7$

11. _____

12. _____

13) $x + 9 = y^2$

14) $y^7 = 2 \times x$

13. _____

14. _____

15) $y^4 = x^8$

16) $y = -4$

15. _____

16. _____

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

18) $y = 3 - x$

17. _____

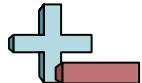
18. _____

19) $y = x - 9$

20) $y - 9 = x$

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.

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13) $x + 9 = y^2$

14) $y^7 = 2 \times x$

15) $y^4 = x^8$

16) $y = -4$

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

18) $y = 3 - x$

19) $y = x - 9$

20) $y - 9 = x$

Answers1. **yes**2. **yes**3. **no**4. **yes**5. **no**6. **no**7. **yes**8. **yes**9. **no**10. **no**11. **no**12. **no**13. **no**14. **yes**15. **no**16. **yes**17. **no**18. **yes**19. **yes**20. **yes**