



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

2) $y = x + 7$

1. _____

3) $y^7 = x^2$

4) $y = 5 + x$

2. _____

3. _____

5) $y^{-2} \div 6 = x$

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

4. _____

5. _____

7) $y \div 2 = x$

8) $x - 3 = y^4$

6. _____

7. _____

9) $y^2 = x^4$

10) $y^6 = x^2$

8. _____

9. _____

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

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

10. _____

11. _____

13) $7y = x$

14) $x = 8 + y$

12. _____

13. _____

15) $y^6 = 2 + x$

16) $6y = 6x$

14. _____

15. _____

17) $y = x \times 7$

18) $x = 4 \times y$

16. _____

17. _____

19) $x = 3 \div y$

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

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

2) $y = x + 7$

1. **no**

3) $y^7 = x^2$

4) $y = 5 + x$

2. **yes**3. **yes**

5) $y^{-2} \div 6 = x$

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

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

7) $y \div 2 = x$

8) $x - 3 = y^4$

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

9) $y^2 = x^4$

10) $y^6 = x^2$

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

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

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

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

13) $7y = x$

14) $x = 8 + y$

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

15) $y^6 = 2 + x$

16) $6y = 6x$

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

17) $y = x \times 7$

18) $x = 4 \times y$

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

19) $x = 3 \div y$

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

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