



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) $y = 5 \times x$

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

1. _____

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

4) $x \div 6 = y^4$

2. _____

5) $y^{-8} \div 4 = x$

6) $y = x \div 9$

3. _____

7) $y^{-8} - 2 = x$

8) $2y = x$

4. _____

9) $y^6 + x = 6$

10) $y = 9$

5. _____

11) $y - 5 = x$

12) $8y = 9x$

6. _____

13) $y = 6 - x$

14) $y^5 = x^9$

7. _____

15) $y^4 = x^3$

16) $y^1 = 2 \div x$

8. _____

17) $y^1 = 2 - x$

18) $x + 2 = y^2$

9. _____

19) $y^1 = x^3$

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

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) $y = 5 \times x$

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

1. yes

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

4) $x \div 6 = y^4$

2. no3. no

5) $y^{-8} \div 4 = x$

6) $y = x \div 9$

4. no5. no

7) $y^{-8} - 2 = x$

8) $2y = x$

6. yes7. no

9) $y^6 + x = 6$

10) $y = 9$

8. yes9. no

11) $y - 5 = x$

12) $8y = 9x$

10. yes11. yes

13) $y = 6 - x$

14) $y^5 = x^9$

12. yes13. yes

15) $y^4 = x^3$

16) $y^1 = 2 \div x$

14. yes15. no

17) $y^1 = 2 - x$

18) $x + 2 = y^2$

16. yes17. yes

19) $y^1 = x^3$

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

18. no19. yes20. no