



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) $y \div 3 = x$

2) $3y = x$

1. _____

3) $y = x + 6$

4) $y \times 4 = x$

2. _____

3. _____

5) $y^4 + x = 4$

6) $y^6 = x^7$

4. _____

5. _____

7) $y = x - 6$

8) $y + x = 4$

6. _____

7. _____

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

10) $y = x \times 7$

8. _____

9. _____

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

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

10. _____

11. _____

13) $y^3 = x^3$

14) $y^{-6} + 3 = x$

12. _____

13. _____

15) $x - 7 = y^2$

16) $y^4 = x^2$

14. _____

15. _____

17) $y = -8$

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

16. _____

17. _____

19) $y^{-2} = x + 6$

20) $y^1 = 2 \times x$

18. _____

19. _____

20. _____



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Answers

1) $y \div 3 = x$

2) $3y = x$

1. yes

3) $y = x + 6$

4) $y \times 4 = x$

2. yes3. yes

5) $y^4 + x = 4$

6) $y^6 = x^7$

4. yes5. no

7) $y = x - 6$

8) $y + x = 4$

6. no7. yes

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

10) $y = x \times 7$

8. yes9. no

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

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

10. yes11. no

13) $y^3 = x^3$

14) $y^{-6} + 3 = x$

12. no13. yes

15) $x - 7 = y^2$

16) $y^4 = x^2$

14. no15. no

17) $y = -8$

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

16. no17. yes

19) $y^{-2} = x + 6$

20) $y^1 = 2 \times x$

18. no19. no20. yes