



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) $x = -5$           | 2) $y^9 = x^8$         | 1. _____  |
| 3) $x \div 4 = y^6$   | 4) $y^{-2} = x - 6$    | 2. _____  |
| 5) $y^7 = 2 - x$      | 6) $y^4 = 2 + x$       | 3. _____  |
| 7) $y = 4$            | 8) $x \times 9 = y^6$  | 4. _____  |
| 9) $y^3 = 2 \times x$ | 10) $y^8 = 2 \times x$ | 5. _____  |
| 11) $y = 7 + x$       | 12) $y = x \div 3$     | 6. _____  |
| 13) $y = -8$          | 14) $y - 5 = x$        | 7. _____  |
| 15) $y^{-8} - 6 = x$  | 16) $x + 3 = y^2$      | 8. _____  |
| 17) $y^8 = 2 \div x$  | 18) $y = x^8$          | 9. _____  |
| 19) $x = 5 - y$       | 20) $y^2 = 2 - x$      | 10. _____ |
|                       |                        | 11. _____ |
|                       |                        | 12. _____ |
|                       |                        | 13. _____ |
|                       |                        | 14. _____ |
|                       |                        | 15. _____ |
|                       |                        | 16. _____ |
|                       |                        | 17. _____ |
|                       |                        | 18. _____ |
|                       |                        | 19. _____ |
|                       |                        | 20. _____ |



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14)  $y - 5 = x$

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

16)  $x + 3 = y^2$

17)  $y^8 = 2 \div x$

18)  $y = x^8$

19)  $x = 5 - y$

20)  $y^2 = 2 - x$

Answers1. no2. yes3. no4. no5. yes6. no7. yes8. no9. yes10. no11. yes12. yes13. yes14. yes15. no16. no17. no18. yes19. yes20. no