

Intermediate Algebra Skill

Identifying Functions and Relations: Given the Equation

Decide whether the given relation defines a function or not.

1) $y = 3x - 6$

2) $x = 9 - 2y$

3) $2x - y = 3$

4) $-20x + 3y = -60$

5) $y + x^2 = 1$

6) $x^2 - 2y = 0$

7) $y^2 = 3 - x$

8) $x - y^2 = 1$

9) $x^2 = 2y^3$

10) $3x^4 = y^5$

11) $y + |x| = 5$

12) $x = |y - 1| + 4$

13) $x^2 + y^2 = 16$

14) $y = \sqrt{2x - 3}$

15) $x = \frac{4}{y^2 - 1}$

Answers to Identifying Functions and Relations: Given Equation

- 1) Function
- 2) Function
- 3) Function
- 4) Function
- 5) Function
- 6) Function
- 7) Not a Function
- 8) Not a Function
- 9) Function
- 10) Function
- 11) Function
- 12) Not a Function
- 13) Not a Function
- 14) Function
- 15) Not a Function