

[domain + range]

Determine the domain and range for each of the following:

1. $y = x$

9. $y = \sqrt{x^2 - 5x}$

2. $y = \sqrt{x}$

10. $y = \frac{5}{x}$

3. $y = \sqrt{x - 3}$

11. $y = \frac{x+2}{x+1}$

4. $x^2 + y^2 = 25$

12. $y = 2(x - 3)^2 + 4$

5. $y = -3$

13. $xy = 5$

6. $y = x^2 - 2$

14. $y = \frac{1}{2}\sqrt{4 - x^2}$

7. $y = \sqrt{\frac{2}{x-3}}$

8. $y = \sqrt{-(2x - 7)}$