

Tri Final Review Domain and Range

Determine if each relationship below is a function and then identify the domain and range.

1. $\{(1, 2) (1, 3) (1, 5) (1, 7)\}$

Function? YES NO

Domain: $\{1\}$

Range: $\{2, 3, 5, 7\}$

2. $\{(-2, 4) (0, 4) (2, 4) (4, 4)\}$

Function? YES NO

Domain: $\{-2, 0, 2, 4\}$

Range: $\{4\}$

3. $\{(6, -3) (-2, 5) (3, -6) (-4, 3)\}$

Function? YES NO

Domain: $\{-4, -2, 3, 6\}$

Range: $\{-6, -3, 3, 5\}$

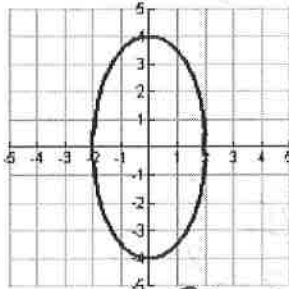
4. $\{(0, 8) (2, 6) (4, 4) (6, 6)\}$

Function? YES NO

Domain: $\{0, 2, 4, 6\}$

Range: $\{4, 6, 8\}$

5.

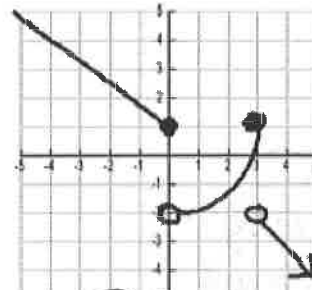


Function? YES NO

Domain: $\{-2 \leq x \leq 2\}$

Range: $\{-4 \leq y \leq 4\}$

6.

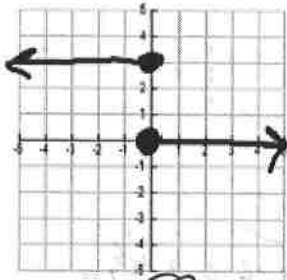


Function? YES NO

Domain: $\{R\}$

Range: $\{R, y \neq -2\}$

7.

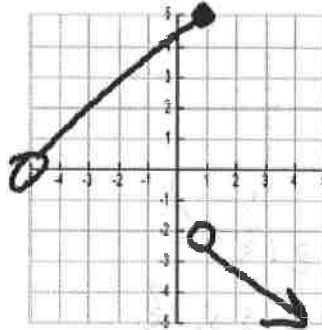


Function? YES ☒ NO

Domain: $\mathbb{R}$

Range: $\{0, 3\}$

8.



Function? ☒ YES NO

Domain: $\{x > -5\}$

Range: $\{0 < y \leq 5, y < -2\}$

9. $x = -3$

Function? YES ☒ NO

Domain: $\{-3\}$

Range: $\mathbb{R}$

10. $y = \sqrt{x-2} + 4$

Function? ☒ YES NO

Domain: $\{x \geq 2\}$

Range: $\{y \geq 4\}$

11. $f(x) = (x+5)^2 - 4$

Function? ☒ YES NO

Domain: $\mathbb{R}$

Range: $\{y \geq -4\}$

12. $g(x) = |x| - 5$

Function? ☒ YES NO

Domain: $\mathbb{R}$

Range: $\{y \geq -5\}$