

Introduction to Functions - Day 6
Assignment

Name _____
Date _____ Period _____

1. If $(2, y)$ is a solution to the equation $y = -3x - 1$, determine the value of y ?
2. If $(-1, y)$ is a solution to the equation $y = x + 5$, determine the value of y ?
3. If $(x, 4)$ is a solution to the equation $y = \frac{1}{2}x + 6$, determine the value of x ?
4. If $(x, -12)$ is a solution to the equation $y = -x - 2$, determine the value of x ?
5. If $(3, y)$ is a solution to the equation $5x + 2y = -3$, determine the value of y ?

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6. If $(x, -6)$ is a solution to the equation $x - y = 10$, determine the value of x ?

7. Determine the range of the function $f(x) = 2x + 7$ when the domain is $\{1, 3, 5\}$?

8. Determine the range of the function $f(x) = \frac{3}{2}(x + 2)$ when the domain is $\{-4, -2, 2\}$?

9. Determine the domain of the function $f(x) = 3x - 1$ when the range is $\{-10, -1, 5\}$?

10. Determine the domain of the function $f(x) = x^2 + 4$ when the range is $\{5, 8, 13\}$?