

3-2 D1 Notes

Thursday, January 25, 2024 8:41 AM

Vocabulary.

Domain:

Range:

Function:

Identify the parts of a function:

$$f(x) = x^2 + 3x + 5$$

State which of the following relations are functions. **If it is not a function, state the input(s) that makes it not a function.**

4. $\{(-3, -1), (-1, -1), (0, 1), (2, 6)\}$

8. $\{(3, 1), (3, 2), (3, 3), (3, 4)\}$

Given $f(x) = 5x - 4$, $G(t) = 4 - 3t$, $q(r) = r^2 - 4$ evaluate:

10) $f(-4) =$

12) $q(3) =$

14) $G(6) =$

16) $f(t) =$

18) $q(\frac{9}{2}) =$

36. Given $G(t) = 9 - 2t$, write $G(-3 + h) - G(-3)$ in simplest form.

Implied Domain:

What values are excluded from the domain of the function?

56. $F(x) = \frac{2x - 5}{x - 4}$

62. $g(x) = \frac{2x + 5}{7}$