

Math 11UE - Mr. Duncan

Name _____

0.9 Function Notation - Practice Problems

Date _____

Evaluate each function.

1) $w(t) = t^3 + t^2$; Find $w(5)$

2) $h(n) = 4^{n+1}$; Find $h(2)$

3) $w(x) = 4x + 2$; Find $w(-4)$

4) $h(x) = -|3x| - 1$; Find $h(-8)$

5) $f(x) = \sqrt{x - 5}$; Find $f(9)$

6) $f(x) = \frac{x + 3}{12 - x}$; Find $f(2)$

Determine the input value.

7) $p(a) = -a + 4$; Find a such that $p(a) = 3$

8) $f(x) = x^3 - 1$; Find x such that $f(x) = 63$

9) $f(t) = -3t + 3$; Find t such that $f(t) = 6$

10) $g(t) = t^2 + 2$; Find a negative value for t such that $g(t) = 18$

Given the graph of the function below, determine the following output and input values.

11) $f(-5)$

12) $f(-3)$

13) $f(1)$

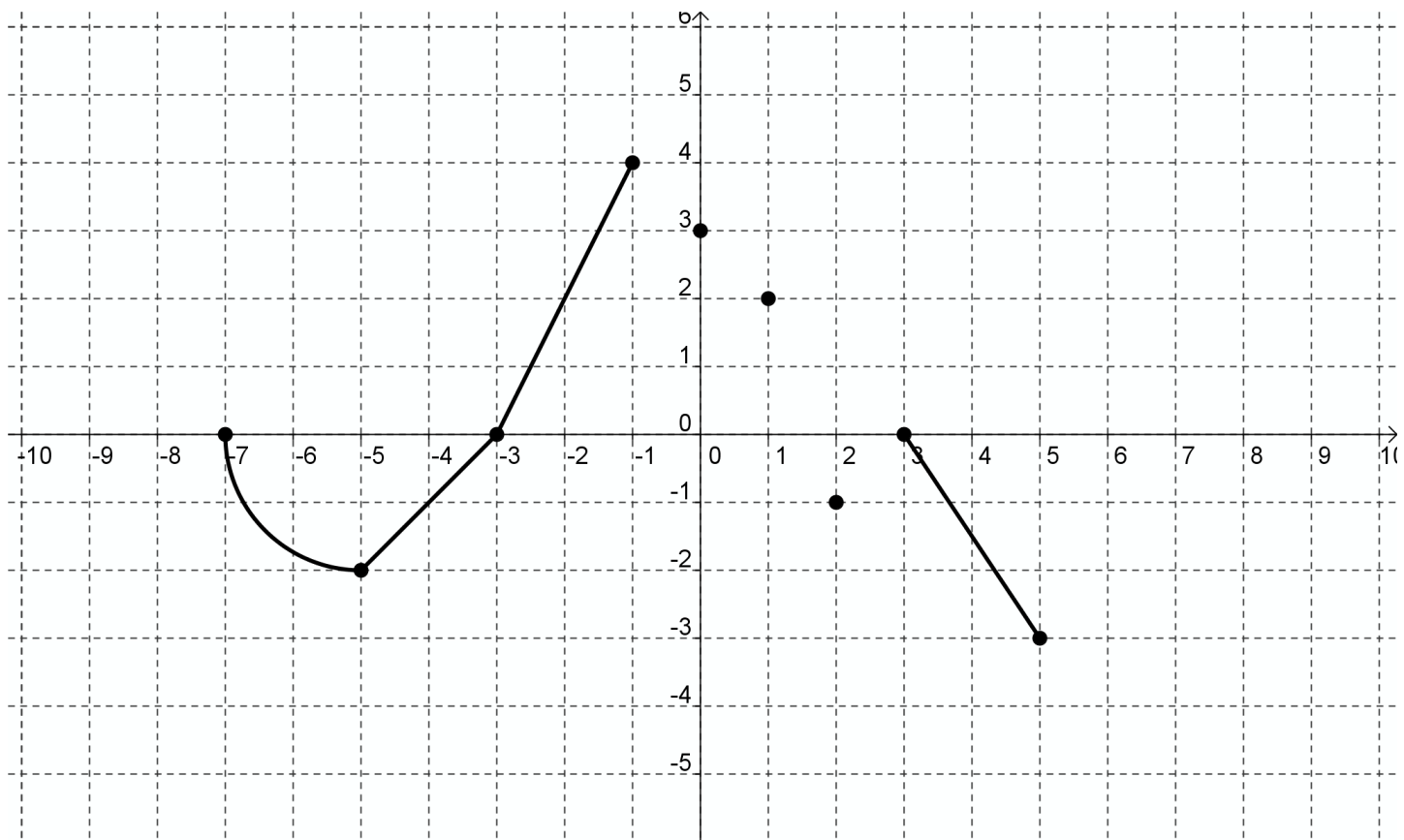
14) $f(4)$

15) $f(x) = 4$

16) $f(x) = -3$

17) $f(x) = 2$ (find a positive value for x)

18) $f(x) = 3$



Answers to 0.9 Function Notation - Practice Problems (ID: 1)

1) 150

4) -25

7) $p = 1$

10) $t = -4$

13) 2

16) $x = 5$

2) 64

5) 2

8) $x = 4$

11) -2

14) -1.5

17) $x = 1$

3) -14

6) $\frac{1}{2}$

9) $t = -1$

12) 0

15) $x = -1$

18) $x = -1.5$ and $x = 0$