

MIA

Unit 2 - Day 6

Homework: Function Notation

Name: _____

Date: _____

1. Evaluate, given the following functions.

$$f(x) = 4x - 7$$

$$g(x) = -3x + 5$$

$$f(x) = 4x - 7$$

a. $f(2)$

$$4(2) - 7 \\ 8 - 7 = 1$$

b. $f(-11/8)$

$$4\left(-\frac{11}{8}\right) - 7 \\ -\frac{44}{8} - 7$$

c. $f(-3)$

d. $g(-7)$

$$-\frac{11}{2} - 7 \\ -5.5 - 7 = -12.5$$

e. $g(2/3)$

$$-3\left(\frac{2}{3}\right) + 5 \\ -2 + 5 = 3$$

f. $g(6)$

$$f(x) = 4x - 7 \\ \text{g. } x \text{ if } f(x) = 5$$

h. x if $g(x) = 11$

$$5 = 4x - 7 \\ +7 \quad +7$$

$$\frac{12}{4} = \frac{4x}{4}$$

$$3 = x$$