

Name: \_\_\_\_\_

## Evaluating Linear Functions

ES1

A) Evaluate each function at the specified value.

1)  $f(x) = 7x - 5$  ;  $x = 6$

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2)  $f(x) = 9x + 3$  ;  $x = -10$

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B) Evaluate each function.

1)  $f(x) = -8x - 9$  ; find  $f(-3)$

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2)  $f(x) = 4x$  ; find  $f(-15)$

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C) If  $f(x) = 3(-2x + 7)$  ; find the following.

1)  $f(-7) =$  \_\_\_\_\_

2)  $f(13) =$  \_\_\_\_\_

3)  $f(11) =$  \_\_\_\_\_

4)  $f(-8) =$  \_\_\_\_\_

D) If  $f(x) = -x - 11$  ; find the following.

1)  $4f(-2) + 5f(1) =$  \_\_\_\_\_

2)  $3f(5) \times f(2) =$  \_\_\_\_\_

3)  $-5f(12) - 2f(-9) =$  \_\_\_\_\_

4)  $\frac{f(9)}{f(-6)} =$  \_\_\_\_\_

E) What is the value of  $f(4)$ , if  $f(x) = -4(x + 3) - 14$ ?

i) 42

ii) -24

iii) -42

iv) 8