

Name: _____

Evaluating Linear Functions

ES1

A) Evaluate each function at the specified value.

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

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

B) Evaluate each function.

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

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

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