

Evaluating Linear Functions

A) Evaluate each function at the specified value.

1) $f(x) = -3x + 8; x = 3$

2) $f(x) = -5(6 + x); x = -9$

3) $f(x) = 9 - 7x; x = -1$

4) $f(x) = 2x + 13; x = 0$

B) Evaluate each function.

1) If $f(x) = -(x + 13)$, what is $f(4)$?

2) If $f(x) = -12 - 3x$, what is $f(-11)$?

3) If $f(x) = -4x$, what is $f(-6)$?

4) If $f(x) = -2x - 8$, what is $f(2)$?

C) What is the value of $f(5)$ if $f(x) = -9(x + 3) + 15$?

i) 67

ii) -57

iii) 65

iv) -75