

Name: _____

Evaluating Linear Functions

MS3

A) Evaluate each function at the specified value.

1) $f(x) = \frac{3x - 10}{2}$; $x = 5$

2) $f(x) = -8.5x + 1.8$; $x = 9$

B) Evaluate each function.

1) $f(x) = -15 - 7x$; f

$\frac{1}{5}$; find $f\left(-\frac{7}{6}\right)$

C) If $f(x) = 9x$; find the

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1) $f\left(-\frac{2}{3}\right) =$ _____

3) $f(1.2) =$ _____

D) If $f(x) = 10 - \frac{8}{3}x$; find

1) $3f\left(\frac{9}{4}\right) - f(6)$

E) What is the value of $f(-7)$, if $f(x) = 3.4x - 7.1$?

i) 30.9

ii) -30.9

iii) 16.7

iv) -16.7

PREVIEW

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Evaluating Linear Functions

A) Evaluate each function at the specified value.

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$\frac{5}{2}$ or $2\frac{1}{2}$

2) $f(x) = -8.5x + 1.8$; $x = 9$

-74.7

B) Evaluate each function.

1) $f(x) = -15 - 7x$; find $f\left(-\frac{7}{6}\right)$

1.1

$-1\frac{3}{10}$

C) If $f(x) = 9x$; find the

1) $f\left(-\frac{2}{3}\right) =$ _____

1

3) $f(1.2) =$ _____

-51.3

D) If $f(x) = 10 - \frac{8}{3}x$; find

1) $3f\left(\frac{9}{4}\right) - f(6)$

18

$\frac{14}{3}$ or $4\frac{2}{3}$

E) What is the value of $f(-7)$, if $f(x) = 3.4x - 7.1$?

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