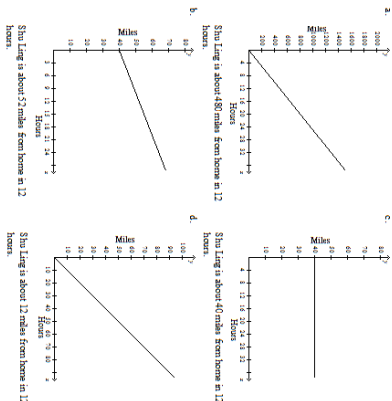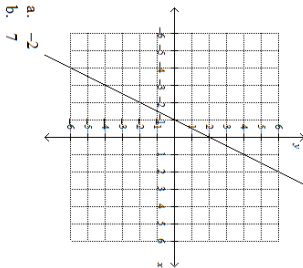For $f(x) = -5x + 4$, what is the value of x for which $f(x) = 29$?

a. $x = 1$
b. $x = -5$
c. $x = -4$
d. $x = 5$

Use the graph of the function $f(x) = 2x + 2$ to find the value of y when $x = 2$.

a. -2
b. 7
c. 6
d. 0

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2. The function $y = 40x$ describes how far from home Shu Ling is as she drives from Dallas to Miami. Graph the function. Use the graph to estimate how far from home Shu Ling is in 12 hours.

a. Shu Ling is about 480 miles from home in 12 hours.

b. Shu Ling is about 52 miles from home in 12 hours.

c. Shu Ling is about 40 miles from home in 12 hours.

d. Shu Ling is about 12 miles from home in 12 hours.


For $f(x) = -5x - 2$, evaluate $f(5)$.

a. -32
b. -27
c. 23
d. -15

If $f(x) = 5x - 2$, which of the following sets represents possible inputs and outputs of the function, represented as ordered pairs?

a. $\{(-2, -12), (0, -3), (1, 3)\}$
b. $\{(-1, -7), (0, -2), (-2, -11)\}$
c. $\{(2, 8), (3, 13), (-5, -27)\}$
d. $\{(-2, -13), (0, -2), (-2, -12)\}$

Orio and Ted buy an equal number of comic books every month. The following equation shows the number of comic books, $f(x)$, that Orio has after x months: $f(x) = 3x + 12$
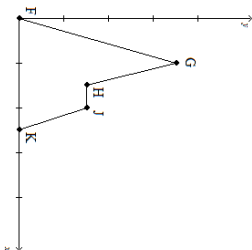
The following graph shows the number of comic books, $f(x)$, that Ted has after x months:
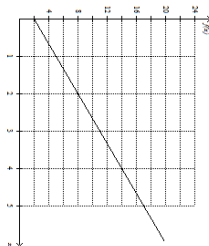
After 3 months, how many more comic books does Orio have than Ted?

a. 9
b. 10
c. 7
d. 8

Which section of the function is increasing?

a. From points G to H
b. From points F to G
c. From points J to K
d. From points H to J

A watering can dispenses water at the rate of 0.75 of a gallon per minute. The original volume of water in the can was 5 gallons. Which set of ordered pairs shows the volume of water in the can in gallons $f(x)$, as a function of time in minutes (x), from the first minute after the can starts dispensing water?

a. $\{(1, 4.25), (2, 3.5), (3, 2.75)\}$
b. $\{(4.25, 1), (3.5, 2), (2.75, 3)\}$
c. $\{(1, 5), (2, 4.25), (3, 3.5)\}$
d. $\{(5, 1), (4.25, 2), (3.5, 3)\}$

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