powered by ExamView

How many possible solutions are there for this eqution?
$(9x + 9) = 3(3 + 3x)$

a. infinitely many solutions
b. one solution
c. no solution

powered by ExamView

How many possible solutions are there for this eqution?
$(41x + 35) = 8(4 + 5x)$

a. one solution
b. no solution
c. infinitely many solutions

powered by ExamView

How many possible solutions are there for this eqution?
$2 + 13x = 7x + 4 + 9x$

a. one solution
b. no solution
c. infinitely many solutions

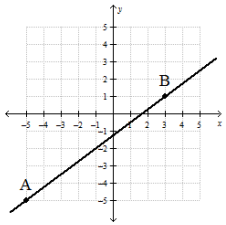
powered by ExamView

How many possible solutions are there for this eqution?
$4 + 9x = 2x + 4 + 7x$

a. one solution
b. infinitely many solutions
c. no solution

powered by ExamView

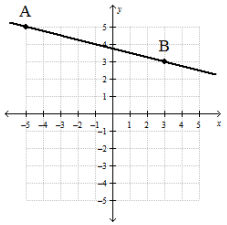
What is the slope of the graphed line? Two points on the line are A (–5, –5) and B (3, 1).



a. $\frac{3}{4}$
b. -1
c. 1
d. -1
e. 1
f. $-\frac{3}{4}$

powered by ExamView

What is the slope of the graphed line? Two points on the line are A (–5, 5) and B (3, 3).



a. $\frac{1}{4}$
b. $-\frac{1}{3}$
c. 0
d. $\frac{1}{3}$
e. $-\frac{1}{4}$
f. 0

powered by ExamView

What is the slope of the graphed line when two points on the line are A (–4, 5) and B (–1, 3)?

a. $-\frac{2}{3}$
b. $\frac{1}{3}$
c. $\frac{2}{3}$
d. 1
e. $-\frac{1}{3}$
f. -1

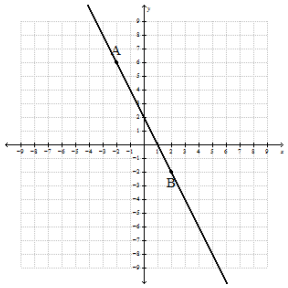
powered by ExamView

What is the slope of the graphed line when two points on the line are A (–3, 5) and B (1, 2)?

a. $-\frac{1}{2}$
b. 1
c. $-\frac{3}{4}$
d. $\frac{3}{4}$
e. -1
f. $\frac{1}{2}$

powered by ExamView

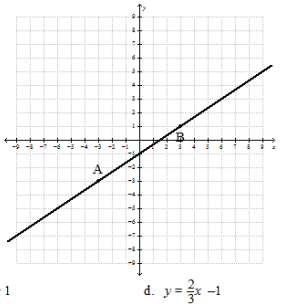
What is the equation for the graphed line? Two points on the line are $A(-2, 6)$ and $B(2, -2)$.



a. $y = \frac{3}{2}x - 2$
b. $y = -4x - 2$
c. $y = 2x + 2$
d. $y = 4x - 2$
e. $y = -2x + 2$
f. $y = -\frac{3}{2}x + 2$

powered by ExamView

What is the equation for the graphed line? Two points on the line are $A(-3, -3)$ and $B(3, 1)$.



a. $y = -\frac{1}{3}x + 1$
b. $y = \frac{1}{3}x - 1$
c. $y = \frac{1}{2}x + 1$
d. $y = \frac{2}{3}x - 1$
e. $y = -\frac{1}{2}x + 1$
f. $y = -\frac{2}{3}x - 1$

powered by ExamView

Kyle solved an equation incorrectly, as shown below:

Step 1: $29 + t = 60$?

Step 2: $t = 60 + 29$

Step 3: $t = 31$

Which statement **best** explains why Step 2 is incorrect in Kyle's solution?

a. He did not divide 60 by 29.
b. He did not subtract 29 from 60.
c. He did not add 29 to 60.
d. He did not multiply 60 by 29.

powered by ExamView

An equation is shown below:

$3(5p - 5) = 30$

Which of the following correctly shows the beginning steps to solve this equation?

a. Step 1: $15p - 15 = 30$
   Step 2: $15p = 45$
b. Step 1: $15p - 5 = 30$
   Step 2: $15p = 35$
c. Step 1: $15p - 5 = 30$
   Step 2: $8p = 35$
d. Step 1: $5p - 2 = 30$
   Step 2: $5p = 32$

An equation is shown below:

$3(7t - 5) = 48$

Which of the following correctly shows the beginning steps to solve this equation?

a. Step 1: $7t - 2 = 48$
   Step 2: $7t = 50$

b. Step 1: $21t - 5 = 48$
   Step 2: $21t = 53$

c. Step 1: $21t - 15 = 48$
   Step 2: $21t = 63$

d. Step 1: $21t - 5 = 48$
   Step 2: $10t = 53$

The steps below show the incomplete solution to find the value of x in the equation.

$4x - 2x - 8 = 5 + 9$

Step 1: $4x - 2x - 8 = 5 + 9$

Step 2: $4x - 2x - 8 = 14$

Step 3: $2x - 8 = 14$

Which of these is **most** likely the next step?

a. $2x = 14$
b. $2x = 6$
c. $2x = 8$
d. $2x = 22$

The steps below show the incomplete solution to find the value of x in the equation.

$6x - 2x - 7 = -9 + 16$

Step 1: $6x - 2x - 7 = -9 + 16$

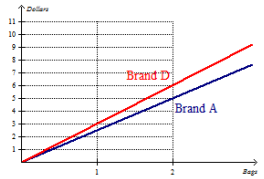
Step 2: $6x - 2x - 7 = 7$

Step 3: $4x - 7 = 7$

Which of these is **most** likely the next step?

a. $4x = 7$
b. $4x = 0$
c. $4x = 7$
d. $4x = 14$

A store sells five brands of potato chips in the same size. The cost per bag for each brand is shown. What is the price of the least expensive bag? Express your answer as a dollar amount to the nearest cent.



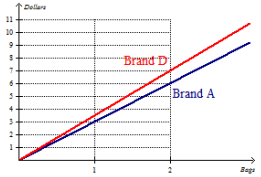
Brand B: $y = 2.45x$
Brand C: $2.75 per bag

Brand E:

Bags	Dollars
2	4.80
4	9.60
6	14.40

powered by ExamView

A store sells five brands of potato chips in the same size. The cost per bag for each brand is shown. What is the price of the least expensive bag? Express your answer as a dollar amount to the nearest cent.



Brand B: $y = 2.95x$
Brand C: $3.25 per bag

Brand E:

Bags	Dollars
3	9.30
5	15.50
7	21.70