

Solve the following system of equations.

$$x + 3y = 2 \quad (1)$$

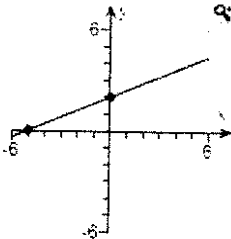
$$x = 6 - 3y \quad (2)$$

What is the solution of the system?

Type an ordered pair. Type N if there is no solution.

Enter any number or expression in the edit field, then click Next Question or Previous Question.

Determine the slope of the line shown at the right.



Find the slope of the line.

$m = \square$

Use the slope calculator to find the slope of a line. Enter the slope of the line in the box.

Enter any number or expression in the edit field, then click Next Question or Previous Question.

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This question is worth 1 point

Trains A and B are traveling in the same direction on parallel tracks. Train A is traveling at 60 miles per hour and train B is traveling at 80 miles per hour. Train A passes a station at 6:20 A.M. If train B passes the same station at 6:32 A.M., at what time will train B catch up to train A?

When will train B catch up with train A?

 :

undo



More ?

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Enter any number or expression in each of the edit fields, then click Next or Previous Question.

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Solve the system of equations by graphing. Then classify the system as consistent or inconsistent and as dependent or independent.

$$8x - 6y = 36$$

$$6y - 8x = -36$$

What is the solution of the system of equations?

- A. A point
- B. No solution
- C. Infinitely many solutions

Is the system consistent or inconsistent?

Consistent

Click to select your answer, then click Next Question or Previous Question.

Find the indicated outputs for $f(x) = 3x^2 - 2x$.

$f(0) = \square$

$f(-1) = \square$

$f(2) = \square$

Enter any number or expression in each of the edit fields, then click Next or Previous Question.

Solve using the addition and multiplication principles.

$$8 + 8x < 48$$

The solution set is $\{x \mid x \square \square\}$.

(Type an inequality symbol, then type an integer or a fraction.)

Enter any number or expression in each of the edit fields, then click Next or Previous Question.

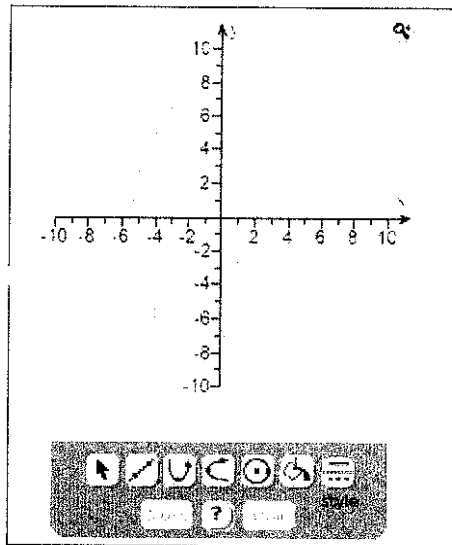
Use the intercepts to graph the equation.

$$x + 2y = 4$$

Use the graphing tool to graph the line.
Use the intercepts when drawing the line.
If only one intercept exists, use it and another point to draw the line.



Click to
enlarge
graph



Test Info

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This question is worth 1 point

To pop up your graph, click the Click to enlarge graph button.

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Find the domain of the function.

$$g(x) = \frac{10}{8 - 5x}$$

Choose the correct domain below.

A. $\left\{x \mid x \geq \frac{8}{5}\right\}$

B. $\left\{x \mid x \neq \frac{8}{5}\right\}$

C. $\{x \mid x \neq 10\}$

D. $\{x \mid x \neq 0\}$

Click to select your answer, then click [Next Question](#) or [Previous Question](#).

Multiply.

$$-\frac{3}{4} \cdot \left(\frac{4}{1}\right)$$

$$-\frac{3}{4} \cdot \left(\frac{4}{1}\right) = \square$$

Type an integer or a simplified fraction.

Enter any number or expression in the edit field, then click Next Question or Previous Question.

Amy paid \$78.89 for a pair of running shoes during a 35%-off sale. What was the regular price?

The regular price was \$.

Round to the nearest cent, if necessary.

Enter any number or expression in the edit field, then click Next Question or Previous Question.