

Solve for y.

- 6 $-x + 2y = 6$
- 7 $x - 2y = 2$
- 8 $-2x + 3y = -12$
- 9 $5x + 2y = 1$
- 10 $4x - 3y = -2$

Answers:

- D $y = -\frac{5}{2}x + \frac{1}{2}$
- U $y = \frac{1}{2}x + 3$
- L $y = \frac{4}{3}x + \frac{2}{3}$
- G $y = \frac{3}{4}x - 4$
- H $y = \frac{1}{2}x - 1$
- B $y = \frac{2}{3}x - 4$

6

$$\begin{array}{r}
 -x + 2y = 6 \\
 +x \qquad +x \\
 \hline
 2y = \frac{-x+6}{2} \\
 y = \frac{1}{2}x + 3
 \end{array}$$

U

9

$$\begin{array}{r}
 5x + 2y = 1 \\
 -5x \qquad -5x \\
 \hline
 2y = \frac{-5x+1}{2} \\
 y = -\frac{5}{2}x + \frac{1}{2}
 \end{array}$$

D

7

$$\begin{array}{r}
 x - 2y = 2 \\
 -x \qquad -x \\
 \hline
 -2y = \frac{-x+2}{-2} \\
 y = \frac{1}{2}x - 1
 \end{array}$$

H

10

$$\begin{array}{r}
 4x - 3y = -2 \\
 -4x \qquad -4x \\
 \hline
 -3y = \frac{-4x-2}{-3} \\
 y = \frac{4}{3}x + \frac{2}{3}
 \end{array}$$

L

8

$$\begin{array}{r}
 -2x + 3y = -12 \\
 +2x \qquad +2x \\
 \hline
 3y = \frac{-2x-12}{3} \\
 y = \frac{2}{3}x - 4
 \end{array}$$

B

Solve for y.

- 11 $3x + 2y - 6 = 0$
- 12 $x - 4y + 2 = 0$
- 13 $-2x - 6y = 0$
- 14 $8y - 3x = -6$
- 15 $7x = 2y$

Answers:

- N $y = \frac{4}{3}x + \frac{1}{4}$
- S $y = \frac{3}{8}x - \frac{3}{4}$
- R $y = \frac{1}{4}x + \frac{1}{2}$
- A $y = -\frac{3}{2}x + 3$
- T $y = \frac{7}{2}x$
- M $y = -\frac{1}{3}x$

11

$$3x + 2y - 6 = 0$$

$$+6 \quad +6$$

$$3x + 2y = 6$$

$$-3x \quad -3x$$

$$2y = \frac{-3x + 6}{2}$$

$$y = -\frac{3}{2}x + 3$$

(A)

14

$$8y - 3x = -6$$

$$+3x \quad +3x$$

$$8y = \frac{3x - 6}{8}$$

$$y = \frac{3}{8}x - \frac{3}{4}$$

(S)

12

$$x - 4y + 2 = 0$$

$$-2 \quad -2$$

$$x - 4y = -2$$

$$-x \quad -x$$

$$-4y = \frac{-x - 2}{-4}$$

$$y = \frac{1}{4}x + \frac{1}{2}$$

(K)

15

$$7x = 2y$$

$$\frac{7x}{2} = \frac{2y}{2}$$

$$\frac{7x}{2} = y$$

(T)

13

$$-2x - 6y = 0$$

$$+2x \quad +2x$$

$$-6y = \frac{2x}{-6}$$

$$y = -\frac{1}{3}x$$

(M)