Identify the terms and like terms in the expression.

$21x + 6 - x - 5$

4 : 21x, 6, -x, -5

Like : 21x, -x variable terms

6, -5 constant terms

Simplify the expression.

$2x + 4 - 3x + 2 + 3x$

$2x + 6$

Find the sum or difference.

$(2 - k) + 3(-4k + 2)$

$2 - k + 3(-4k) + 3(2)$

$2 - 1k + -12k + 6$

$-13k + 8$

$(n - 8) - 1(-2n + 2)$

$n - 8 + -1(-2n) + -1(2)$

$1n - 8 + 2n + (-2)$

$3n - 10$

Factor out the coefficient of the variable.

"divide each term by the coefficient."

$$\underline{2.4}n + 9.6$$

$$2.4\left(\frac{\cancel{2.4}n}{\cancel{2.4}} + \frac{9.6}{2.4}\right)$$

$$\begin{array}{r} 4. \\ 2.4\overline{)9.6} \\ -96 \\ \hline 0 \end{array}$$

$$2.4(n + 4)$$

Solve the equation. Check your solution.

make zero

$-6.5 + x = -4.12$

$+6.5 \qquad +6.5$

$x = 2.38$

make zero

$$\begin{array}{r} 6.50 \\ -4.12 \\ \hline 2.38 \end{array}$$

* bigger # on top to subtract

$4\frac{1}{2} + p = -5\frac{3}{4} = \frac{-23}{4}$

$-4\frac{1}{2} \qquad -4\frac{1}{2} = \frac{-9}{2} = \frac{-18}{4}$

$p = \frac{-41}{4} = -10\frac{1}{4}$

$$\begin{array}{r} 10 \\ 4\overline{)41} \\ -4\downarrow \\ \hline 01 \\ -8 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 23 \\ +18 \\ \hline 41 \end{array}$$

$(-7)\ -\frac{b}{7} = 4\ (-7)$

$b = -28$

$\frac{-b}{7} = \frac{b}{-7}$

$-8 = -\frac{2}{5}c$

$\frac{-8}{1} \qquad \frac{-2}{5}$

outters multiplied over inners

make one

$\frac{40}{-2} = c$

$-20 = c$