

Review For Test on 9.13.2024

$$4) 3(2x + 1) + x = -39$$

$$6x + 3 + x = -39$$

$$7x + 3 = -39$$

$$\underline{-3 \quad -3}$$

$$7x = -42$$

$$x = -6$$

$$2) z + (z - 6) - 2 = -10$$

$$z + z - 6 - 2 = -10$$

$$2z - 8 = -10$$

$$+8 \quad +8$$

$$\frac{2z}{2} = \frac{-2}{2}$$

$$z = -1$$

$$5) \quad m + 4(2m - 3) = -3$$

$$m + 8m - 12 = -3$$

$$9m - 12 = -3$$

$$+12 \quad +12$$

$$\frac{9m}{9} = \frac{9}{9}$$

$$m = 1$$

$ \begin{array}{r} \text{b)} \quad 6n - 12 = n + 3 \\ \underline{-n \quad -n} \\ 5n - 12 = 3 \\ \underline{+12 \quad +12} \\ 5n = 15 \\ \underline{\quad 5 \quad 5} \\ n = 3 \end{array} $	$ \begin{array}{r} 6n - 12 = n + 3 \\ \underline{+12 \quad +12} \\ 6n = n + 15 \\ \underline{-n \quad -n} \\ 5n = 15 \\ \underline{\quad 5 \quad 5} \\ n = 3 \end{array} $	$ \begin{array}{r} 6n - 12 = n + 3 \\ \underline{-6n \quad -6n} \\ -12 = -5n + 3 \\ \underline{-3 \quad -3} \\ -15 = -5n \\ \underline{-5 \quad -5} \\ 3 = n \end{array} $	$ \begin{array}{r} 6n - 12 = n + 3 \\ \underline{-3 \quad -3} \\ 6n - 15 = n \\ \underline{-6n \quad -6n} \\ -15 = -5n \\ \underline{-5 \quad -5} \\ 3 = n \end{array} $
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$$7) \quad \begin{array}{r} 9.25 \\ -1.75 \\ \hline 7.50 \end{array} \div 3 = 2.50$$

$$9.25 = 1.75 + 3x$$

$$14) \quad A = 50 + 10m$$

$$B = 10 + 20m$$

$$\begin{array}{r} 100 \quad 50 + 10m = 10 + 20m \quad 110 \\ \quad \quad - 10m \quad \quad - 10m \\ \hline \end{array}$$

$$\begin{array}{r} 50 = 10 + 10m \\ -10 \quad -10 \\ \hline \end{array}$$

$$\begin{array}{r} 40 = 10m \\ \underline{10} \quad \underline{10} \\ 4 = m \end{array}$$

$$1) 6(2x + 4) = 4(3x + 6)$$

$$12x + 24 = 12x + 24$$

Many Sol

$$\begin{array}{r} 8) \quad \frac{1}{5}g = 9 - \frac{2}{5}g \\ \quad + \frac{2}{5}g \quad \quad + \frac{2}{5}g \\ \hline \quad \frac{3}{5}g = 9 \\ \quad \frac{3}{5} \quad \quad \frac{3}{5} \\ \quad g = 15 \end{array}$$

$$10) \quad 8x + 3 = 8x + 0$$

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