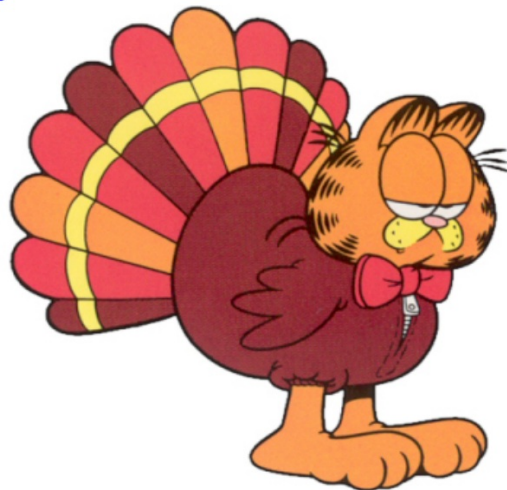


November 22, 2011

Get out your homework:

YELLOW WS₄₀ and **MELON** WS₄₁

$$\begin{array}{r} \textcircled{B} \quad 12r - 18 = 13r + 18 \\ -13r \qquad -13r \\ \hline -1r - 18 = 18 \\ +18 \qquad +18 \\ \hline -1r = 36 \\ r = -36 \end{array}$$



11/22 - Solving Multiple-Step Equations with Distribution, Like Terms and Variables on Both Sides

() First!
Like terms
Var on one
side
Undo +/-
Undo x

$$\begin{aligned} 3(2x - 4) &= 8x + 4 \\ \cancel{6x} - 12 &= 8x + 4 \\ -\cancel{6x} & \quad -\cancel{6x} \\ -12 &= 2x + 4 \\ -\cancel{4} & \quad -\cancel{4} \\ -\frac{16}{2} &= \frac{2x}{2} \\ -8 &= x \end{aligned}$$

$$5n + 3(2n - 6) = 7n - 2$$

$$\underline{5n} + \underline{6n} - 18 = 7n - 2$$

$$\begin{array}{r} 11n - 18 = 7n - 2 \\ -7n \qquad -7n \end{array}$$

$$\begin{array}{r} 4n - 18 = -2 \\ +18 \qquad +18 \end{array}$$

$$\begin{array}{r} \underline{4n} = \underline{16} \\ 4 \qquad 4 \end{array}$$

$$n = 4$$

$$2y + 17 = 9 - 6(y + 7)$$

$$2y + 17 = 9 - 6y - 42$$

$$2y + 17 = -33 - 6y$$

+6y

+6y

$$8y + 17 = -33$$

$$-17 \quad -17$$

$$8y = -50$$

$$y = -\frac{50}{8}$$

$$y = -6\frac{1}{4}$$

$$-a - (13 + 4a) = -3(5 + 4a) + 5$$

$$\underline{-a} - 13 - \underline{4a} = \underline{-15} - 12a + \underline{5}$$

$$\begin{array}{r} -5a - 13 \\ +12a \end{array} = \begin{array}{r} -12a - 10 \\ +12a \end{array}$$

$$\begin{array}{r} 7a - 13 \\ +13 \end{array} = \begin{array}{r} -10 \\ +13 \end{array}$$

$$\begin{array}{r} 7a \\ \hline 7 \end{array} = \begin{array}{r} 3 \\ \hline 7 \end{array}$$

$$a = \frac{3}{7}$$

Homework:

PINK Worksheet 56

Due *Tuesday*





