

HW: Worksheet

Warm up:

Simplify.

$$1) \underline{4x} + \underline{6y} - 3 - \underline{9y} - x$$

$$\underline{3x - 3y - 3}$$

$$2) -5x + 2(6x - 4) = \underline{-5x} + \underline{12x} - 8$$

$$\underline{7x - 8}$$

$$3) \underline{-4.7a} - \underline{6.15} + \underline{3.2} - \underline{5.49a}$$

$$\underline{-10.19a - 2.95}$$

$$\begin{array}{r} -4.7 - 5.49 \\ -4.7 + (-5.49) \\ 5.49 \\ +4.70 \\ \hline 10.19 \end{array}$$

$$\begin{array}{r} -6.15 + 3.2 \\ 6.15 \\ -3.20 \\ \hline 2.95 \end{array}$$

$$4 - \frac{2}{3}(5x - 2)$$

$$\underline{4} - \frac{10}{3}x + \underline{\frac{4}{3}}$$

$$- \frac{10}{3}x + \frac{16}{3}$$

$$\underline{-3\frac{1}{3}x + 5\frac{1}{3}}$$

$$4 + \frac{4}{3}$$

$$\frac{12}{3} + \frac{4}{3}$$

Showdown



$$-7.5x - 6.3 - 2.14x$$

$$\begin{array}{r} -7.5x - 2.14x \\ -7.5 - 2.14 \end{array}$$

$$-9.64x - 6.3$$

$$\begin{array}{r} 7.5 \\ + 2.14 \\ \hline 9.64 \end{array}$$

$$\begin{array}{r} -7.5 - 2.14 \\ -7.5 + (-2.14) \end{array}$$

$$\begin{array}{r} 7.50 \\ + 2.14 \\ \hline 9.64 \end{array}$$

$$5 + 3(4x - 9)$$



$$\begin{array}{r} 5 + 12x - 27 \\ \hline -22 + 12x \end{array}$$

$$-\frac{1}{2} - \frac{3}{4}(2x - 5)$$

$$-\frac{1}{2} - \frac{6x}{4} + \frac{15}{4} \quad \frac{3}{4} \times 5 = \frac{15}{4}$$

$$-\frac{1}{2} + \frac{15}{4} \quad +$$

$$-\frac{2}{4} + \frac{15}{4} = \frac{13}{4} \quad \frac{13}{4} - \frac{6x}{4}$$

$$\frac{13}{4} - 1\frac{1}{2}x$$

$$-\frac{3}{8}a + \frac{5}{9} + \frac{2}{3}a$$

$$-\frac{3}{24}a + \frac{5}{24} + \frac{2}{24}a$$

$$-\frac{3}{24}a + \frac{16}{24} = \frac{13}{24}$$

$$4.3 + 2.7(3.8n + 4)$$

$$-5 - \frac{1}{4}(6c - 7)$$

$$2x - 4(6x + 3)$$

$$\frac{3}{5} + \frac{2}{3}(4x - 5)$$

$$-3.85x - 2.4(5x + 2)$$

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