

HW Solutions

$$\textcircled{4} \quad 4 + \underline{2(5x - 3)}$$

$$\underline{4} + 10x - \underline{6}$$

$$\textcircled{10x - 2}$$

$$-2 + 10x$$

$$\begin{array}{r} 4 - 6 \\ 4 + (-6) \\ -2 \end{array}$$

$$\textcircled{8} \quad \frac{3}{4}r - \frac{4}{5}(3r + 4)$$

$$\frac{3}{4}r - \frac{12}{5}r - \frac{16}{5}$$

$$-\frac{33}{20}r - \frac{16}{5}$$

$$-\frac{13}{20}r - 3\frac{1}{5}$$

$$\begin{array}{r} 48 \\ -15 \\ \hline 33 \end{array}$$

$$\begin{array}{r} 15 - 48 \\ 15 + (-48) \\ \hline \end{array}$$

$$\begin{array}{r} -\frac{4}{5} \rightarrow 3 \\ -\frac{4}{5} \rightarrow 1 \\ -\frac{4}{5} \cdot \frac{4}{1} \\ \frac{15}{20} - \frac{4}{5} \\ \frac{15}{20} - \frac{48}{20} = -\frac{33}{20} \end{array}$$

$$\textcircled{2} \quad \underline{3x - 2y + 5} - \underline{8x - 4y + 2}$$

$$\textcircled{-5x - 6y + 7}$$

$$\begin{array}{l} -2 - 4 \\ -2 + (-4) \end{array}$$

$$\textcircled{6} \quad 3.2 - 2.8(3x + 5)$$

$$\underline{3.2} - 8.4x - \underline{14}$$

$$\underline{-8.4x - 10.8}$$

$$\begin{array}{r} 3 \\ 14.0 \\ - 3.2 \\ \hline -10.8 \end{array}$$

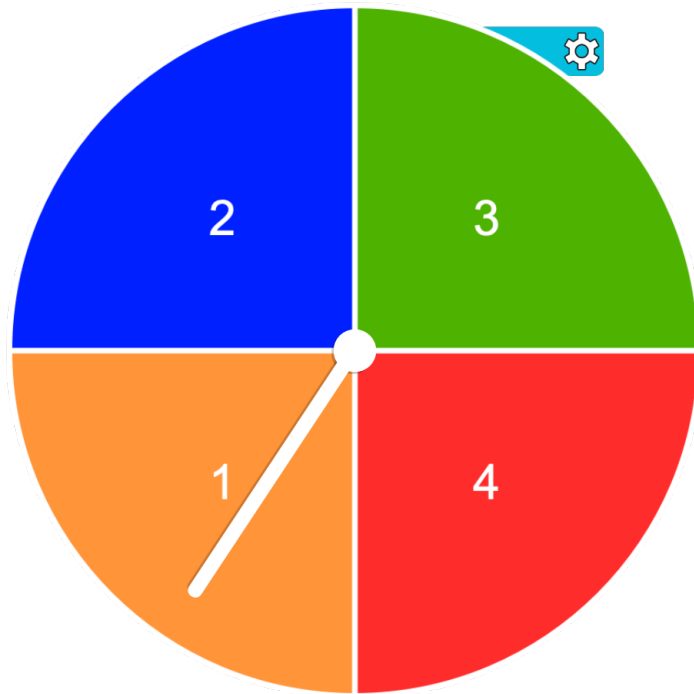
$$\begin{array}{r} 3.2 - 14 \\ 3.2 + (-14) \\ \hline \end{array}$$

$$\begin{array}{r} 2.8 \\ \times 3 \\ \hline 8.4 \\ 4 \\ \times 2.8 \\ \hline 14.0 \end{array}$$

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

$$\underline{\overset{\cdot}{x}} - \underline{6x} + 12$$

$$\textcircled{-5x + 12}$$



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

$$\frac{7}{24}a + \frac{5}{9}$$

$$\begin{aligned} &-\frac{3}{8}a + \frac{2}{3}a \\ &-\frac{3}{8} + \frac{2}{3} \\ &-\frac{9}{24} + \frac{16}{24} \\ &\frac{7}{24} \end{aligned}$$

$$\begin{array}{r} 2.7 \\ \times 4.0 \\ \hline 00 \\ + 108 \\ \hline 10.8 \end{array}$$

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

↗ ↘

$$\underline{4.3 + 10.26n + 10.8}$$

15.10 + 10.26n

$$\begin{array}{r} 2.7 \\ \times 3.8 \\ \hline 216 \\ + 810 \\ \hline 10.26 \end{array}$$

$$\begin{array}{r} 2.7 \\ \times 4.0 \\ \hline 1080 \\ + 1080 \\ \hline 10.80 \end{array}$$

$$\begin{array}{r} 2.7 \\ \times 4 \\ \hline 10.8 \end{array}$$

$$\begin{array}{r} 10.8 \\ + 4.3 \\ \hline 15.1 \end{array}$$

$$-20 + 7 = -13$$

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

$$\underline{-5 - \frac{6}{4}c + \frac{7}{4}}$$

$$-\frac{13}{4} - \frac{6}{4}c$$

$$-3\frac{1}{4} - 1\frac{2}{4}c$$

$$\underline{-3\frac{1}{4} - 1\frac{1}{2}c}$$

$$-\frac{1}{4} \cdot 6c$$

$$\frac{1}{4} \cdot (-7)$$

$$-\frac{6}{4}c$$

$$-\frac{7}{4}$$

$$-\frac{5}{4} + \frac{7}{4}$$

$$-\frac{20}{4} + \frac{7}{4} = -\frac{13}{4}$$

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

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

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

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