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$$\begin{array}{r} 15.) \quad 2x^2 - 3x - 4 \\ \quad 3x^2 + 4x - 6 \\ \hline 5x^2 + 1x - 10 \end{array}$$

$$\begin{array}{r} 45.) \quad 7x - 1(3x - 2) = 10 \\ \quad 7x - 3x + 2 = 10 \\ \quad 4x + 2 = 10 \end{array}$$

$$\begin{array}{r} 35.) \quad 5x - 3t - 7 \\ \quad -1x + 2t + 3 \\ \hline 4x - 1t - 4 \end{array}$$

$$\begin{array}{r} \quad -2 \quad -2 \\ \hline 4x = 8 \\ \quad 4 \quad 4 \\ \hline x = 2 \end{array}$$

$$\begin{array}{r} 37.) \quad 3n^2 + 5n - 6 \\ \quad -1n^2 - 3n + 3 \\ \hline 2n^2 + 2n - 3 \end{array}$$

$$\begin{array}{r} 47.) \quad (11n - 5) - (3n - 2) = -19 \\ \quad 11n - 5 - 3n + 2 = -19 \end{array}$$

$$\begin{array}{r} 39.) \quad 3x^2 - 4x - 2 \\ \quad +1x^2 + 4x - 7 \\ \hline 4x^2 - 9 \end{array}$$

$$\begin{array}{r} 8n - 3 = -19 \\ \quad +3 \quad +3 \\ \hline 8n = -16 \\ \quad 8 \quad 8 \\ \hline n = -2 \end{array}$$

$$\begin{array}{r} 41.) \quad u^3 - 3u^2v + 2uv^2 \\ \quad + 3u^2v - 2uv^2 - v^3 \\ \hline u^3 - v^3 \end{array}$$

$$n = -2$$

$$\begin{array}{r} 43.) \quad 3a^3 - 2ab^2 \\ \quad -1a^3 + 4ab^2 + b^3 \\ \hline 2a^3 + 2ab^2 + b^3 \end{array}$$

$$\begin{array}{r} 49.) \quad (4y - 3) - (4 - y) = 3(y + 3) \\ \quad 4y - 3 - 4 + y = 3y + 9 \end{array}$$

$$\begin{array}{r} 5y - 7 = 3y + 9 \\ \quad -3y \quad -3y \\ \hline 2y - 7 = 9 \\ \quad +7 \quad +7 \\ \hline 2y = 16 \\ \quad 2 \quad 2 \\ \hline y = 8 \end{array}$$

$$y = 8$$

$$51) \quad 2 - 3x = 8(5 - x) - (x - 10)$$

$$2 - 3x = 40 - 8x - x + 10$$

$$2 - 3x = 50 - 9x$$

$$\begin{array}{r} -50 \quad -50 \\ \hline \end{array}$$

$$-48 - 3x = -9x$$

$$\begin{array}{r} +3x \quad +3x \\ \hline \end{array}$$

$$-48 = -6x$$

$$\begin{array}{r} -6 \quad -6 \\ \hline \end{array}$$

$$8 = x$$