

Perform the indicated operations.

1) $(5y^2 + 9y - 10) + (3y^2 - 4y + 17)$

$$\begin{array}{r} 3y^2 - 4y + 17 \\ 5y^2 + 9y - 10 \\ \hline 8y^2 + 5y + 7 \end{array}$$

2) $7a - 2(3a - 5) + 6 - 4a$

$$\begin{array}{r} 7a - 6a + 10 + 6 - 4a \\ \hline 1a - 4a + 16 \\ \hline -3a + 16 \end{array}$$

3) $(4k^3 + 6k - 10) - (-5k + 8)$

$$\begin{array}{r} 4k^3 + 6k - 10 \\ + 5k - 8 \\ \hline 4k^3 + 11k - 18 \end{array}$$

4)

Subtract $(5y^2 + 3y - 7)$ from $8y^2 + 4y - 19$.

$$\begin{array}{r} 8y^2 + 4y - 19 \\ - (5y^2 + 3y - 7) \\ \hline -5y^2 - 3y + 7 \\ 8y^2 + 4y - 19 \\ \hline 3y^2 + y - 12 \end{array}$$

5) $(8x^3 - 7x + 15) - (6x^3 + 10x - 7)$

6)

$(-8x^7 + 6x^5 - 3x) + (3x^7 + 10x^5 - 4x - 2)$

7)

Subtract $3y^2 + 4y - 6$ from $7y^2 + 15y - 20$.

8) $(a^3 + 4a - 18) - (-7a^3 - 12a + 11)$

9) $(15r + 8) - (3r + 2)$

10) $7 + 2k - 5(-4k + 3) - 9k$