

Perform the indicated operations.

$$1) (y^2 + 7y - 10) - (6y^2 - 3y + 14)$$

$$\begin{array}{r} -6y^2 + 3y - 14 \\ | y^2 + 7y - 10 \\ \hline -5y^2 + 10y - 24 \end{array}$$

$$2) 7a - (-4a + 20) + 6 - 10a - 9$$

$$\begin{array}{r} 7a + 4a - 20 + 6 - 10a - 9 \\ \hline 11a - 10a - 14 - 9 \\ \hline a - 23 \end{array}$$

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

$$\begin{array}{r} 7k^3 + 4k^2 - k - 8 \\ -7k^3 \quad +6k - 10 \\ \hline 4k^2 + 5k - 18 \end{array}$$

4)
Subtract $(-3y^2 + 5y - 7)$ from $2y^3 + 8y^2 - 9$.

$$2y^3 + 8y^2 - 9 - (-3y^2 + 5y - 7)$$

$$3y^2$$

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

$$6) (5k^3 + 8k - 19) - (k^3 + 4k^2 + 8k + 5)$$

7)
Subtract $4y^2 + 8y - 7$ from $6y^2 + 10y - 12$.

$$8) (y^3 - 8y + 13) - (-2y^3 - 18y + 17)$$

$$9) (-12x + 9) - (5x^2 + 3x + 20)$$

10)
 $(6x^4 - 8x^6 - 2x) + (3x^6 + 17x^4 - 9x - 5)$