

Ex 1

$$(-2x - 9) + (x + 4)$$

$$\begin{array}{r} -2x - 9 + x + 4 \\ \hline -x - 5 \end{array}$$

Ex 2 $(-5x + 17) + (-9x + 4)$

$$\begin{array}{r} -5x + 17 - 9x + 4 \\ \hline -14x + 21 \end{array}$$

Ex 3 $(3x^2 - 2x + 1) + (6x^2 + 3x)$

$$\begin{array}{r} 3x^2 - 2x + 1 + 6x^2 + 3x \\ \hline 9x^2 + x + 1 \end{array}$$

Ex 4 $(6x^3 - 12x + 1) + (8x^2 + 10x - 6)$

$$\begin{array}{r} 6x^3 - 12x + 1 + 8x^2 + 10x - 6 \\ \hline 6x^3 + 8x^2 - 2x - 5 \end{array}$$

Ex 5

$$5(4x^3 - 2x^2 + 1) + 3(7x^2 - 5x - 4)$$

$$\begin{array}{r} 20x^3 - 10x^2 + 5 + 21x^2 - 15x - 12 \\ \hline 20x^3 + 11x^2 - 15x - 7 \end{array}$$

6.

$$\begin{array}{r} -x^2 + 11x + 8 + 2x^2 + 5x - 3 + 4x^2 - x + 10 \\ \hline 5x^2 + 15x + 15 \end{array}$$

7.

$$\begin{array}{r} -5x^2 + 10x - 4 \\ \hline 2x^2 - 6x - 4 \\ \hline -5x^2 + 10x - 4 \\ \hline -6x^2 + 8x - 8 \end{array}$$

$$\begin{array}{r} -5x^2 + 10x - 4 \\ \hline 2x^2 - 6x - 4 \\ \hline -5x^2 + 10x - 4 \\ \hline -6x^2 + 8x - 8 \end{array}$$

$$\begin{array}{r} 10x \\ 10x \\ -6x \\ -6x \\ \hline 20x \\ -12x \\ \hline 8x \end{array}$$

Subtract

Ex 1 $(7x + 10) - (3x - 8)$

$$\boxed{7x} + 10 - \boxed{3x} + 8$$

$$4x + 18$$

Ex 2 $(-14x + 3) - (-2x + 5)$

$$-14x + 3 + 2x - 5$$

$$-12x - 2$$

Ex 3

$$(5x^2 + 3x + 8) - (2x^2 - 2x - 9)$$

$$\boxed{5x^2} + \boxed{3x} + 8 - \boxed{2x^2} + \boxed{2x} + 9$$

$$3x^2 + 5x + 17$$

Ex 4 $(4x^3 + x^2 - 9x - 8) - (7x^3 + 2x + 6)$

$$\boxed{4x^3} + \boxed{x^2} - 9x - 8 - \boxed{7x^3} - 2x - 6$$

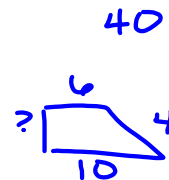
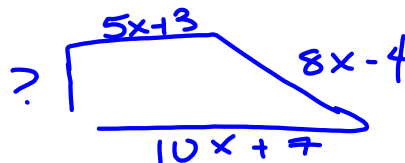
$$-3x^3 + x^2 - 11x - 14$$

Ex 5

$$-7(2x^4 + 3x^3 + x - 1) - 5(3x^3 + 4x^2 + 8x - 6)$$

$$\boxed{-14x^4} - \boxed{21x^3} - 7x + 7 - \boxed{15x^3} - \boxed{20x^2} - 40x + 30$$

$$-14x^4 - 6x^3 - 20x^2 - 47x + 37$$



$$(29x + 5) - (23x + 6)$$

$$29x + 5 - 23x - 6$$

$$6x - 1$$