Adding and Subtracting Polynomials

1. $(2x – 6) + (3x + 8)$

2. $(3x + 2) – (5x – 1)$

3. $(9x + 7) – (-x + 10)$

4. $(4x^2 + 2) + (-7x – 8)$

5. $(2x^2 + 4x – 1) – (6x^2 – 6x – 7)$

6. $(x + 2) + (x – 6)$

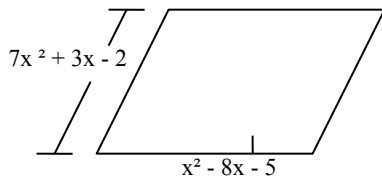7. $(7x + 3x^2 – 5) + (– 2x^2 + 6x + 4)$

8. $(7x^2 + 9 – 3x) – (4x^2 + 10x – 8)$

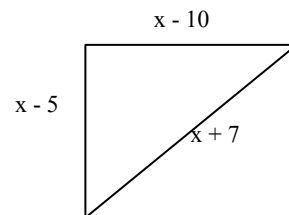9. $(4a^2 – 4a + 5) – (3a^2 + 6a – 7)$

10. $(3x^2 + 1 + 7x) + (-5x^2 + 4x – 9)$
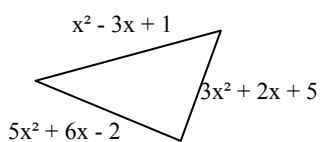
Find the perimeter of the following figures.

11.

$7x^2 + 3x - 2$

$x^2 - 8x - 5$

12.

$x - 10$

$x - 5$

$x + 7$

13.

$x^2 - 3x + 1$

$3x^2 + 2x + 5$

$5x^2 + 6x - 2$

14.

$7x - 2$

$9x - 4$