DATE_____

PER.

ADD AND SUBTRACT POLYNOMIALS

Find each sum or difference.

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

Answer each problem as indicated.

5) Find the perimeter of a triangle if the three sides are $4x^2 - x + 4$, $2x^2 - 2x + 1$, and $x^2 + 8x + 3$.
6) The measures of two sides of a triangle are given. The perimeter of the triangle is $13x^2 - 14x + 12$ Find the measure of the third side.
17x - 7
3x ² + 5
7) Find the area of the shaded region if $7x^2 - 8$ is the area of the total region and $4x^2 - 3$ is the area of the unshaded region.
$4x^2 - 3 \qquad \longrightarrow 7x^2 - 8$

