

Name _____

Date _____

Homework #3 Show All Work!

Period _____

1) Write a simplified expression of $(3x^2 + x - 4) - (5x^2 - x + 3)$?

2) If $A = 3x^2 + 5x - 6$ and $B = -2x^2 - 6x + 7$, then $A - B$ equals

(1) $-5x^2 - 11x + 13$

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

(2) $5x^2 + 11x - 13$

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

3) What is the difference when $(3x^2 - x - 2)$ is subtracted from $(6x^2 + 4x - 5)$?

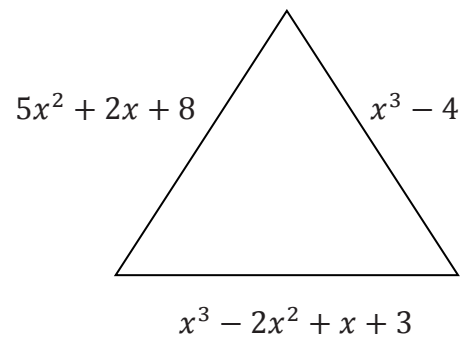
(1) $3x^2 + 5x - 3$

(3) $9x^2 + 5x + 14$

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

(4) $9x^2 + 5x - 7$

4) What is the perimeter of the accompanying triangle?



5) What is the sum of $x^2 - 4x + 5$ and $-3x^3 - 5x^2 + 3x - 8$?

6) Simplify the following: $(-x^2 + 10x - 3) - (-5x^2 - 2x + 4)$

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

8) What is $(6x^3 + 4x - 9)$ subtracted from $(-8x^2 + 5x - 1)$?

9) Simplify: $(2x^3 + 4x^2 - 6x + 10) + (4x^3 + 3x - 4) - (-7x^2 - 4x + 3)$