Name _____ Class _____ Date _____

Practice 13-5 Adding and Subtracting Polynomials

Practice

Simplify each sum or difference.

1. $(10m - 4) - (3m - 5)$ _____

2. $(k^2 - 2k + 5) - (k^2 + 5k + 3)$ _____

3. $(2x^2 + 7x - 4) - (x^2 - 4)$ _____

4. $2x^2 + 4 + (3x^2 - 4x - 5)$ _____

5. $(-2x^2 + 4x - 5) + (8x + 5x^2 + 6)$ _____

6. $(3x^2y^2 + 2xy + 5y) - (-2x^2y^2 - 4x + 5y)$ _____

7. $(7x^3 - 5x^2 - 3x + 8) - (10x^3 - 4x^2 + 5x + 9)$ _____

8.
$$\begin{array}{r} 2x^3 - 5x^2 \quad - 5 \\ + 3x^3 + 7x^2 + 9x \\ \hline \end{array}$$

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9.
$$\begin{array}{r} -4x^2y^2 + 3xy + x^2 - 4y^2 \\ + x^2y^2 - 6xy - x^2 - 5y^2 \\ \hline \end{array}$$

_____

10. $(x^2 + 2y + 5) - (4x + 4y)$

_____

11. $(-4a^2b + 7ab^2 - 9a - 6b + 13) - (-6a^2b + 8a + 10b - 18)$

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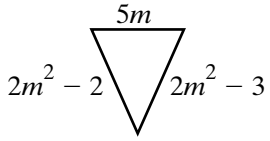
Write the perimeter of each figure as a polynomial. Simplify.

12.



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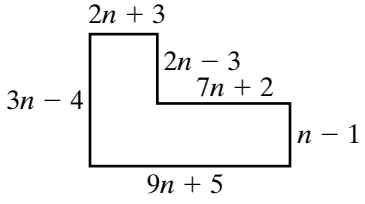
13.



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