

Name: _____

Date: _____

UNIT 5 • POLYNOMIAL OPERATIONS AND QUADRATIC FUNCTIONS

A–APR.1

Lesson 5.1: Adding and Subtracting Polynomials

Practice 5.1: Adding and Subtracting Polynomials

A

Find each sum or difference.

1. $(x^3 - 5) + (6x^3 + 2)$

2. $(x^3 - 4x + 2) + (x^4 + 12x)$

3. $(-3x^2 + 16) - (x^2 - 22x - 4)$

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

5. $(10x - 9) - (-x^2 + 22x)$

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

continued

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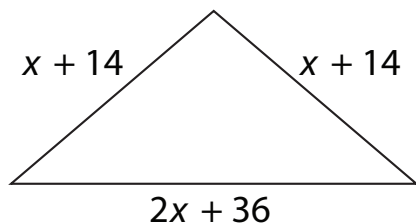
UNIT 5 • POLYNOMIAL OPERATIONS AND QUADRATIC FUNCTIONS

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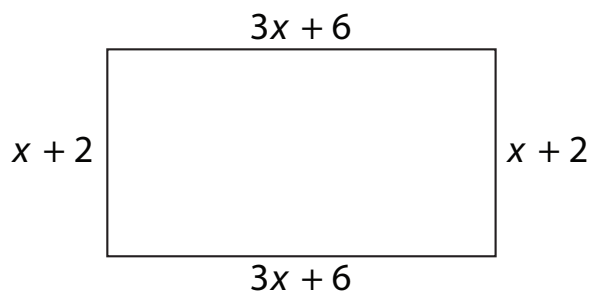
Lesson 5.1: Adding and Subtracting Polynomials

The perimeter of a polygon is the sum of the lengths of the sides of the polygon. For problems 7–10, find the perimeter of each shape in terms of x . All lengths are given in centimeters.

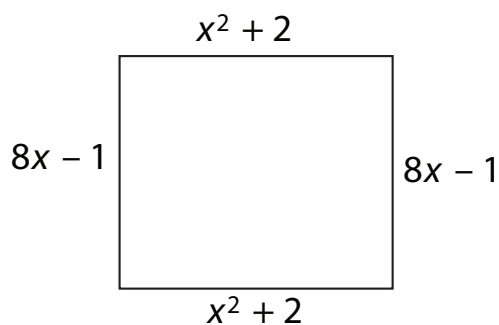
7.



8.



9.



10.

