

Name: _____

Date: _____

UNIT 2 • POLYNOMIAL FUNCTIONS

Lesson 1: Polynomial Structures and Operating with Polynomials

Practice 2.1.1: Structures of Expressions

Identify the terms in each expression, and note the coefficient, variable, and power of each term.

1. $y^4 + 13$

2. $8c^3 - c^2 + 8c$

3. $12z^5 + 9z^2 - z - 7$

4. $-5m^{10} + m^8 + 5m^6 - m^4$

Write a polynomial function using the given terms. Determine the degree of each polynomial function.

5. $30x, x^8, -3x^3$

6. $14x^2, -6x^3, 10, -x^6$

7. $-x^5, 2x, 22, x^7, 7x^3$

continued

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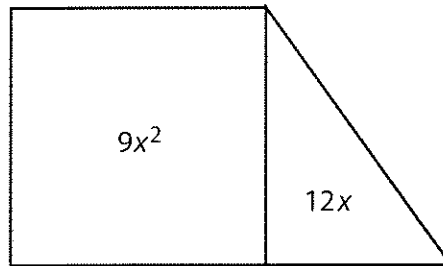
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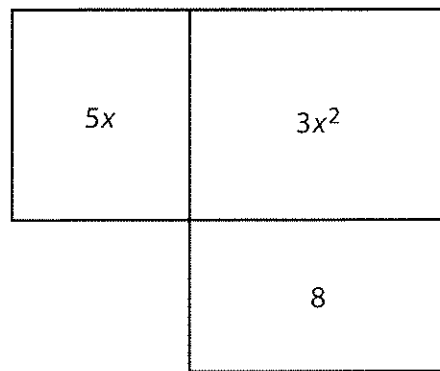
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Each of the figures below is divided into separate parts with each area written within that part. Find the total area of each figure. All units are in square inches.

8.



9.



10.

