

## POLYNOMIALS practice

1. How many terms does the polynomial have?

$$7x^4 + 3x^2 - 10$$

2. Classify the polynomial by degree and number of terms.

$$8x^4 - 1$$

3. What is the degree of the polynomial?

$$3x^3 - 10x^2 + 17$$

4. Write the polynomial in standard form.

$$-18x^3 + 12x^5 + 7x^4 - 5x^2 + 14$$

5. Classify the polynomial by degree and number of terms.

$$-6x^3 + 2x^2 + 8x - 5$$

6. Identify the degree and leading coefficient of the polynomial.

$$2x^5 + 3x^2 + 10x$$

7. Arrange the polynomial so it's in standard form.

$$13x^2 - 10x^4 + 5x^3 - 11$$

8. What is the leading coefficient of the polynomial.

$$-9x^4 + 5x^3 - 12$$

9. Classify the polynomial by degree and number of terms.

$$7x^2$$

10. Rewrite the polynomial so that it's in standard form.

$$8x - 10x^3 + 2x^2 - 16$$

# Pondering Polynomials Answer Key Unit 8 Lesson 02

**Phares G. O'Daffer**



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