NAME

Module 12 Simplifying Algebraic Expressions

by Factoring Polynomials

**Lesson 6** Factoring Using Several Methods



DATE

## **Lesson Objective**

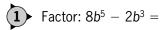
• Factor polynomials which require more than one method of factoring.

When factoring polynomials, always look for a

\_\_\_\_\_ first.

A polynomial is factored \_\_\_\_\_\_ when each factor is either a monomial or a prime polynomial. In a \_\_\_\_\_\_ polynomial, the

only factors are \_\_\_\_\_



Factor: 
$$4rs^2 - 16rs - 48r =$$

3 Factor: 
$$2p^5 + 7p^4 + 3p^3 =$$

Factor: 
$$t^3 + 3t^2 - t - 3 =$$

**5** Factor: 
$$a^4 - b^4 =$$