

NAME _____

DATE _____

Module 12 Simplifying Algebraic Expressions
by Factoring Polynomials

Lesson 6 Factoring Using Several Methods



**guided
notes**

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 _____.

1 Factor: $8b^5 - 2b^3 =$

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

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

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

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

