NAME _____

DATE _____

Module 15 Simplifying Rational Expressions
Lesson 2 Simplifying Rational Expressions

guided notes

Lesson Objectives

• Simplify rational expressions to simplest form.
• Identify rational expressions that are already in simplest form.

A rational expression is in _____ if the numerator

and denominator have no common factors except one.

Simplifying rational expressions containing more than one term in the

numerator or denominator usually requires two steps.

First, _____ the numerator and denominator.

Then, _____ the common factors.

1▶ Simplify: $\dfrac{7f^2 - 21f}{f - 3}$.

_____

If a numerator or denominator containing more than one term cannot be

factored, add parentheses around it as a visual reminder to cancel the entire

quantity.

2▶ Simplify: $\dfrac{6 - 2x}{x - 3}$.

_____

3▶ Simplify: $\dfrac{15m^3 - 5m^2 - 10m}{45m^3 - 20m}$.

_____

410-467-3300