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Module 15 Simplifying Rational Expressions
Lesson 2 Simplifying Rational Expressions

Set 1

1. Simplify: $\frac{27m^2n}{36m}$.
 $\frac{3mn}{4}$

2. Simplify: $\frac{12x^3yz^2}{15xy^2}$.
 $\frac{4x^2z^2}{5y}$

3. Simplify: $\frac{t-s}{s-t}$.
 -1

4. Simplify: $\frac{x-2}{3-x}$.
 $\frac{x-2}{3-x}$ is in simplest form

Set 2

1. Simplify: $\frac{t-2}{t^2+5t-14}$.
 $\frac{1}{t+7}$

2. Simplify: $\frac{3a^2-12}{3a^2+12a+12}$.
 $\frac{a-2}{a+2}$

3. Simplify: $\frac{5x^2-45}{15-5x}$.
 $-x-3$

