

NAME _____

Module 12 Simplifying Algebraic Expressions
by Factoring Polynomials
Lesson 7 Dividing Polynomials Using Factoring

**guided
practice**

Set 1

1. Simplify: $\frac{x^2 - 13x + 36}{x - 4}$.

$x - 9$

2. Simplify: $\frac{8a^2 + 2a - 3}{2a - 1}$.

$4a + 3$

Set 2

1. Simplify: $\frac{2h^2 - 18}{2h + 6}$.

$h - 3$

2. Simplify: $\frac{12p^2 + 8p - 15}{10p + 15}$.

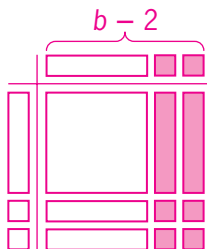
$\frac{6p - 5}{5}$

Manipulative Set

Simplify using algebra tiles.

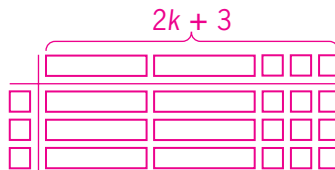
1. Simplify: $\frac{b^2 - 4}{b + 2}$.

$b - 2$



2. Simplify: $\frac{6k + 9}{3}$.

$2k + 3$



3. Simplify: $\frac{2y^2 + 5y + 3}{y + 1}$.

$2y + 3$

