

## Warm-up 5-9

Simplify each expression.

1.  $(x - 3)^2$

2.  $(2x^2 + 3)(x - 2)$

3.  $\frac{x^3x^5}{x^{-4}}$

4.  $(x^3)^4$

## Warm-up 5-9

Simplify each expression.

1.  $(x - 3)^2$

$(x - 3)(x - 3)$

$x$	$x^2$	$-3x$
$-3$	$-3x$	$9$

$x^2 - 6x + 9$

3.  $\frac{x^3 x^5}{x^{-4}}$

$\frac{x^8}{x^{-4}} = x^{12}$

2.  $(2x^2 + 3)(x - 2)$

FOIL

$2x^3 - 4x^2 + 3x + 6$

4.  $(x^3)^4 = x^{12}$