

**11-2 Multiplying Rational Expressions**

Multiply and simplify:

1. 
$$\frac{4a^3b}{3a^2b^2} \cdot \frac{9ab}{8}$$

2. 
$$\frac{n+3}{3n} \cdot \frac{6n^2}{n^2+n-6}$$

3. 
$$\frac{4x+4}{5x+10} \cdot \frac{30x+60}{2x-2}$$

4. 
$$\frac{2y+9}{4y+12} \cdot (y^2 + y - 6)$$

5. 
$$\frac{x^2-6x+8}{x^2-x-2} \cdot \frac{2x-4}{x-4}$$