

**Homework:**

**Simplify.**

1.  $\frac{18x^6}{27x^4}$

2.  $\frac{3x^2}{12x}$

3.  $\frac{10a^3b}{-15ab^3}$

4.  $\frac{36k^3m}{24k^4mn^5}$

5.  $\frac{3x-12}{3x^2-12x}$

6.  $\frac{6}{x^2-9x+20} \cdot \frac{5x-25}{15}$

7.  $\frac{x-5}{6} \div \frac{2x-10}{12}$