

Name \_\_\_\_\_

Period \_\_\_\_\_

**Simplifying Rational Expressions**

**Simplify each expression.**

1)  $-\frac{36x^3}{42x^2}$

2)  $\frac{16r^2}{16r^3}$

3)  $\frac{16p^2}{28p}$

4)  $\frac{32n^2}{24n}$

5)  $-\frac{70n^2}{28n}$

6)  $\frac{15n}{30n^3}$

7)  $\frac{2r-4}{r-2}$

8)  $\frac{45}{10a-10}$

9)  $\frac{x-4}{3x^2-12x}$

10)  $\frac{15a-3}{24}$

11)  $\frac{v-5}{v^2-10v+25}$

12)  $\frac{x+6}{x^2+5x-6}$