

5.1

Date:

Objective:

Review

Rational Number:

Expression:

Rational Expression:

Simplify: $\frac{6}{8}$

WAY 1:

WAY 2:

Steps for simplifying rational expressions

1. FACTOR!!!!!!!

Types:

2. Make ones.

3. Write what is left. DO NOT MULTYPLY!

EXAMPLES: Simplify.

1. $\frac{4}{2x^2+4}$

2. $\frac{x^2+x-12}{x^2-2x-24}$

3. $\frac{4x^2+2x+1}{8x^3-1}$

4. $\frac{4x^2-5x-6}{3x^2+2x-16}$

5. $\frac{3b^2-20b-32}{7b-56}$

6. $\frac{5x^2-5x}{1-x}$

7. $\frac{r-3}{r^2-6r+9}$

8. $\frac{4x^2+25x-21}{16x^2-9}$

9. $\frac{v^2+11v+28}{v^2+15v+56}$