

***Objectives:**

*rational expression:

*simplest form:

*In simplest form

*Not in simplest form

Reasons “Why Not” in simplest form

Got It? 1. What is the rational expression in simplest form? State any restrictions on the variables.

a. $\frac{24x^3y^2}{-6x^2y^3}$

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

c. $\frac{12 - 4x}{x^2 - 9}$

Got It? 2. What is the product $\frac{2x-8}{x^2-16} \cdot \frac{x^2+5x+4}{x^2+8x+16}$ in simplest form? State any restrictions on the variable.

Got It? 3. a. What is the quotient $\frac{x^2+5x+4}{x^2+x-12} \div \frac{x^2-1}{2x^2-6x}$ in simplest form? State any restrictions on the variable.

Inclass: p. 531 #12, 16, 20

Homework: p. 531 #9-25(odd)

Interactmath: #9, 12, 19, 21