

MAT0028 ~ Lesson 37

Work the following examples as you listen to the recorded lecture.

Simplifying Rational Expressions

Example 1: $\frac{x+7}{7+x}$

Example 2: $\frac{2}{8x+16}$

Example 3: $\frac{7x+35}{x^2+5x}$

Example 4: $\frac{5x^2+11x+2}{x+2}$

Simplifying Rational Expressions, page 2

Example 5: $\frac{3x^2+7x+2}{3x^2+13x+4}$

Example 6: $\frac{x^2+xy+2x+2y}{x+2}$

Example 7: $\frac{x^3+8}{x+2}$

Example 8: $\frac{49-y^2}{y-7}$