

## Mon 28 Jan — A.5 Rational Expressions

Put HW hand in folders on shelves

**Bring:**

HW folders

**Stapler**

**Write on board:**

Hand in HW3 (diagnostic test problems)

HW4 (section A.2 Geometry)

Lecture today: Section A.5 Rational Expressions

Bring these to your PAL session on Tues.

Textbook

Key to the diagnostic test handed out in class and on my web page

**Activities:**

Let's do one more factoring problem that I did not get to last time:

EX  $24x^2 + 6x - 3$

ANS:  $3(4x - 1)(2x + 1)$

### Section A.5 Rational Expressions.

**Rational Expressions** are fractions where the numerator and denominator are polynomials.

EX:

non-EX:

We need to do 5 basic operations on rational expressions. We do these in the same way as we do for arithmetic fractions. This involves a lot of factoring.

Reducing:

A fraction or rational expression is in reduced form if the numerator and denominator have no common factors.

