Polynomial and Rational Functions Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A2RCC U8D6 Homework

***Exercise* #1: Combine each of the following fractions by first finding a common denominator.** *Express in simplest form.*









**Regents Questions**

5) Simplify: $\frac{a^{4}-b^{4}}{a^{2}-2ab+b^{2}} × \frac{a-b}{a^{2}+ab}$



6)

7) **Perform the indicated operations and simplify completely.**