Algebra II Chapter 8 Assignments

1/29/2013 1/30/2013	C 7 Test and 8-1: Mult and Div Rationals	A11: 447(16-35)
1/31/2013	8-2: Add and Sub Rationals	A12: 453(20-32, 71-76)
2/1/2013	8-4: Direct, Joint, Inverse Var	A13: 469(8-14, 56-58)

2/4/2013	8-3(1): Graphing Rational	A14: 460(1-8, 57-59)
2/5/2013 2/6/2013	8-3(2): Graphing Rationals & QZ	A15: 460(13, 15, 17, 23, 39-40, 67-70)
2/7/2013	8-5: Classes of Functions	A16: 476(1-4, 7-15)
2/8/2013	8-6(1): Solving Equations	A17: 484(10-20, 47-50)

2/11/2013	8-6(2): Solving Equations	A18: 493(1-19)
LS 2/12/2013 2/13/2013	Review	A9: 484(1-9o) 472(1-11o, 15-16, 20-25)
2/14/2013	Review	A20: 490(13-41 every other odd)
2/15/2013	Chapter 8 Test	No Homework: Have a great 3-day weekend

Note: No School on February 28th: President's Day

Things to remember about fractions…

1. $\frac{b}{1}$ simplifies to b.
2. $\frac{1}{b}$ does not simplify any further.
3. $\frac{0}{b}$ simplifies to 0.
4. $\frac{b}{0}$ is undefined.
5. $-\frac{a}{b}$ is the same as $\frac{-a}{b}$ and $\frac{a}{-b}$.
6. $\frac{-a}{-b}$ simplifies to $\frac{a}{b}$.
7. $-\frac{a}{b}$ is NOT the same as $\frac{-a}{-b}$.

$$\frac{a}{b} + \frac{c}{d} = \frac{ad + bc}{bd}$$

$$\frac{a}{b} - \frac{c}{d} = \frac{ad - bc}{bd}$$

$$\frac{a}{b} \cdot \frac{c}{d} = \frac{ac}{bd}$$

$$\frac{a}{b} \div \frac{c}{d} = \frac{ad}{bc}$$

$$\frac{\frac{a}{b}}{\frac{c}{d}} = \frac{ad}{bc}$$

To Simplify a Complex Fraction by Simplifying the Numerator and Denominator

1. Create one single fraction in the numerator (if necessary).
2. Create one single fraction in the denominator (if necessary).
3. Remember the main fraction line means "divide". Rewrite the fraction using a division symbol .
4. Follow the normal rules for dividing fractions: Invert the the second term (the denominator of the complex fraction) and multiply (by the numerator of the complex fraction).
5. Simplify if needed.