Algebra II Class Work 9.3

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Directions: You may use your book, notes, calculator, friends, and teacher. However you may not copy someone else work verbatim. **Show all your work.** If you are not finished at the end of class, write “NEED MORE TIME” at the top and turn your paper in – **you may not take it home.** You have one week to finish it.

Find the LCM.

1. $8x and 12x^{4}$
2. $m^{3}-3m^{2}-18m and m^{2}n-6mn$

Simplify.

1. $\frac{2x}{X+3}-\frac{5}{x-1}$
2. $\frac{a+b}{5a^{2}-5b^{2}}+\frac{2a-3b}{4a^{2}+4ab-15b^{2}}$
3. $\frac{1-\frac{m}{m-1}}{\frac{m-1}{m}-m}$