Algebra II Class Work 9.1

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.

Simplify. Leave answers in factored form.

1. $\frac{91m^{2}n^{4}}{14m^{3}n}$
2. $\frac{a^{3}+abc}{2a^{2}b+2b^{2}c}$
3. $\frac{10x^{2}+15xy}{6x^{2}+7xy-3y^{2}}$