Pre-Algebra Class Work 4.2

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 number whose prime factorization is given.

1. $3∙5∙7$
2. $2^{3}∙3^{3}$

Find the prime factorization of each number.

1. 45
2. 594

Solve each equation to find the missing prime factor.

1. $105=3∙5∙n$