Pre-Algebra Class Work 10.5

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.

1. Make a tree diagram to find the number of possible milkshakes that could be ordered if chocolate and vanilla shakes are available in small, medium and large sizes.
2. Mr. Math has 7 shirts and 5 pants. How many possible outfits does he have? His wife, Mrs. Math, has 12 dresses and 6 pairs of shoes. How many outfits does she have?
3. How many ways can you arrange 5 books on a shelf?