Algebra I Class Work 1.7

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.

Write the following in exponent notation.

1. (5)(5)(5)(5)(5)(5) =
2. (222)(222)(222)(222)(222) =

Solve

1. 33
2. 2-4
3. – 32
4. (– 3)2
5. Explain why 5 and 6 are not equal. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Simplify (DO NOT SOLVE)

1. 24 $∙$ 24 =
2. 31620 $÷$ 31615 =
3. (22)2 =
4. (33)4 =

Over 🡪

1. $\frac{3^{5}}{3^{2}}$ =
2. $\frac{55^{55}}{55^{65}}$ =
3. 987,654,3210 =