Pre-Algebra Class Work 14.1

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.

Give the degree and type of each polynomial.

1. $3x^{5}+1$
2. $-5$
3. $4x^{8}+3x-$1
4. $3xy^{2}+5x$

Are the following polynomials? If no, state why.

1. $4x+5$
2. $2x^{-1}+4$
3. $3x^{\frac{1}{2}}$

Decide if the following terms are like terms with $3x^{2}y.$

1. $3xy$
2. $-4x^{2}y$
3. $3x^{2}$