**Monday: Simplify each of the following. Show ALL work!! CIRCLE your final answer…..**1)  2) (2a2b)(4ab2) 3)  4) (7xy)2 5) 

6)  8)  9)  10) 

11)  12)  13) 

**Tuesday: Answer the following word problems dealing with scientific notation. CIRCLE your final answer.**

1) In 2000, the top attendance at an amusement park in the United States was 15,400,000 people. Write the number of people in scientific notation.

2) The planet Mercury is an estimated 3.598 × 107 miles from the Sun. Write the distance Mercury is from the Sun in Standard form.

3) In 2000, an estimated 7.7 × 107 people spoke French as their first language and an estimated 1 × 108 people spoke standard German as their  
first language. In 2000, which language had more speakers?

4) In 2000, and estimated 1.664 × 108 dollars in 1000-dollar bills were in circulation. How many 1000-dollar bills were in circulation in 2000?

6) Divide 2.4 × 108 by 1.2 × 105 by writing the numbers in standard form, then dividing. Write your answer in scientific notation. Look at the exponents in the divisor and the dividend and compare them to the exponent in the quotient. What do you notice?

**Wednesday:**

1.  2.  3.  = -6 4. p - (-27) = 13 5. x = 3

6. -2s + 1 = - 9 7. 4x – 10 = 26 8. 110 = y ­– 52 9. 