**Homework:** Monday September 10th

**Directions:** **Order the numbers from least to greatest**

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| 1) 5.2 X 106  5.6 X 106  1.2 X 107  8.2 X 105  In order: | 2) 47 X 107  4.6 X 108  4.9 X 106  4 X 107  In order: | 3) 3.5 X 102  7.3 X 101  8.1 X 108  6.2 X 105  In order: | 4) 73 X 104  81 X 105  6.1 X 105  5.8 X 108  In order: |
| 5) 3.9 X 103  2.8 X 103  4.3 X 103  1.8 X 103  In order: | 6) 5.3 X 108  6.9 X 107  7.5 X 105  8 X 106  In order: | 7) 9.0 X 1010  8.0 X 1011  8.8 X 1011  9.2 X 1010  In order: | 8) 6.2 X 102  8.7 X 105  3.5 X 108  7.9 X 105  In order: |
| 9) 5.8 X 10-4  5.8 X 10-5  4.8 X 10-4  3.9 X 10-3  In order: | 10) 6.4 X 10-1  9.1 X 100  2.8 X 10-2  3.5 X 10-1  In order: | 11) 7.6 X 10-8  4.5 X 10-7  8.2 X 10-8  6.9 X 10-7  In order: | 12) 9.3 X 10-4  1.2 X 104  6.6 X 10-3  8.1 X 102  In order: |
| 13) 1.3 X 10-9  5.5 X 10-8  4.3 X 10-7  2.9 X 10-8  In order: | 14) 7.5 X 10-9  8.1 X 10-10  7.7 X 10-8  8.4 X 10-9  In order: | 15) 3.6 X 10-3  37 X 10-5  3.1 X 10-4  3.5 X 10-3  In order: | 16) 9.3 X 10-5  9.5 X 10-8  98 X 10-7  93 X 10-6  In order: |

17) A dollar bill has a height of 0.013837 inch. How is that height written in scientific notation?

18) In 2003, there were 1,096,000 home-schooled students in the United States. What is the 1,096,000 written in scientific notation?

19) The moon is about 240,000 miles from the Earth. What is this distance written in scientific notation?

20) In 2006, the United States has 2.33 x 108 cellular telephone subscriptions. How is that number of subscriptions written in standard form?

21) In 2050, the estimated population of India will be about 1.8 x 109. What is the estimated population of India in 2050?

22) Jupiter is about 1.7 x 104 miles from Earth. How is that distance written in standard form?