Mr. Klansek Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_ Block: \_\_\_\_\_\_

Scientific Notation

Translate into Sci.Not

1. 6,023,000,000
2. 0.0003
3. .0003
4. 6,000
5. 1,234x103
6. 0.009002x103

Translate into standard notation

1. 4.01x104
2. 1.7x10-9
3. 5x10-3
4. 0.1x105

Use Scientific Notation (and only the scientific notation!) to find the answer to the following:

1. 4. x 10-15 \* 5. x 102 =
2. 1. x 104 ÷ 1. x 1015 =
3. 4. x 105 + 1. x 1011 =
4. 6. x 103 \* 2. x 10-6 + 3. x 10-2=
5. 5. x 10-4 ÷ 8. x 10-8 + 9. x 104 =

More Practice. First make an order of magnitude estimation. Put it in the brackets. Last do the calculation

1. 5. x 108 / 2. x 108 = [ ]
2. (1. x 105 )3 = [ ]
3. 2. x 10-4 \* 4. x 104 = [ ]
4. 5 / 8. x 102 = [ ]
5. (4. x 102 / 3. x 10-4)x104 = [ ]
6. 2. x 10-1 \* (1. x 106 + 3.) - 5 ÷ 2. x 10-6 = [ ]
7. 1. x 105 \* 6. x 105+(2. x 103 \* 1. x 102) = [ ]
8. 2 x 101 + 3. x 101 \* (6. x 103 \* 2. x 10-6)2 = [ ]