PreIBSc9 Asmt  Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Blk: \_\_\_

**SCIENTIFIC NOTATION & METRIC CONVERSION**

Convert the following to scientific notation:

|  |  |
| --- | --- |
| 1. 0.00067

  1. 5 500

  1. 0.000216
 | 1. 70 000 000

  1. 0.01

  1. 540 000
 |

Convert the following to standard form:

|  |  |
| --- | --- |
| 1. 2.33 x 104

 1. 1.25 x 10-6

  1. 9.2 x 10-4

  | 1. 6.0 x 10-2

  1. 8 x 103

  1. 1.625 x 108

  |

Complete the following metric conversions **using unit rates**. Express answers in BOTH standard form and in scientific notation. Show work:

|  |  |
| --- | --- |
| 1. 0.004 L to cL
2. 123000000 nm to m
3. 4.75 L to mL
 | 1. 190 ms to s
2. 0.6 hm to m
3. 12000 cm to m
 |

*Bonus*: 0.003 μg to cg