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