

**Math 29**  
**In-class Problems on Significant Figures**

Compute the following, rounding to the nearest significant digit.

1.  $(44.5 + 12.1) \times (116 - 104)$

2.  $(32.4 - 41) \times (4.867 + 2.295)$

3.  $(0.086 + 0.034) \times (1.283 + 0.137)$

4.  $(3.18 \times 10^{-3}) \times (4.6 \times 10^{-4})$

5.  $(65.68 + 45.08) \times (58.26 + 37.9)$

6.  $(0.0546 - 0.0265) + (1.629 \times 10^{-3}) - (5.688 \times 10^{-4})$