Name: Date: Period:

Measurement #1

Express in scientific notation:

1. 400

2. 0.005

3. 60 000

4. 0.000 045 6

Express in standard form:

5. 2.4×10^{3}

6. 1.09×10^{5}

7. 3.078×10^{-4}

8. 5.08×10^{11}

For each problem, choose which number is larger:

9. ◯ 50 000 ◯ 5×10^{5}

10. ◯ 4.3×10^{-6} ◯ 4.3×10^{-2}

11. ◯ 9.8×10^{4} ◯ 1.2×10^{6}

12. ◯ 0.000 000 024 ◯ 2.4×10^{-11}

Use your calculator to solve the following:

13. $(6.67 \times 10^{-11}) \times (5.97 \times 10^{24}) =$

14. $(6.38 \times 10^{6}) + 12\,000 =$

15. $(3.25 \times 10^{-12}) \div (4.32 \times 10^{-10}) =$

16. $(9.99 \times 10^{4}) - (1.11 \times 10^{3}) =$