## Measurement #1

Express in scientific notation:

1. 400

Express in standard form:

5.  $2.4 \times 10^3$ 

2. 0.005

6.  $1.09 \times 10^5$ 

3. 60 000

7.  $3.078 \times 10^{-4}$ 

 $4. \ 0.0000456$ 

8.  $5.08 \times 10^{11}$ 

For each problem, choose which number is larger:

9. 
$$\bigcirc 50\,000$$
  $\bigcirc 5 \times 10^5$ 

$$\bigcirc$$
 5 × 10<sup>5</sup>

11. 
$$\bigcirc$$
 9.8 × 10<sup>4</sup>  $\bigcirc$  1.2 × 10<sup>6</sup>

$$\bigcirc 1.2 \times 10^6$$

$$10. \ \bigcirc \ 4.3 \times 10^{-6} \quad \bigcirc \ 4.3 \times 10^{-2}$$

$$\bigcirc \ 4.3 \times 10^{-2}$$

12. 
$$\bigcirc$$
 0.000 000 024  $\bigcirc$  2.4  $\times$  10<sup>-11</sup>

$$\bigcirc 2.4 \times 10^{-11}$$

Use your calculator to solve the following:

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

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$$(6.67 \times 10^{-11}) \times (5.97 \times 10^{24}) =$$
 15.  $(3.25 \times 10^{-12}) \div (4.32 \times 10^{-10}) =$ 

14. 
$$(6.38 \times 10^6) + 12000 =$$

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