Name _____

Date _____ Period _____

Scientific Notation No. 1

Express the following numbers in scientific notation:

- 1. 121 =
- 2. 14,500 =
- 3. 200,500 =
- 4. 0.048 =
- 5. 68.569 =

Express the following numbers in ordinary decimal notation:

- 1. $2.46 \times 10^4 =$
- 2. $6.73 \times 10^{-3} =$
- 3. $2.348 \times 10^2 =$
- 4. $5.32 \ge 10^{-4} =$
- 5. $3.5 \ge 10^6 =$

Multiply the following numbers expressing the answer in scientific notation:

- 1. $10^2 \ge 10^5 =$
- 2. $10^4 \times 10^{-2} =$
- 3. $10^5 \ge 10^{-9} =$
- 4. $10^2 \ge 10^8 \ge 10^{-3} =$
- 5. $10^{-7} \ge 10^{-5} \ge 10^4 =$

Divide the following numbers expressing the answer in scientific notation:

- 1. $10^{4}/10^{9} =$
- 2. $10^{-5}/10^{6} =$
- 3. $10^{14}/10^4 =$
- 4. $10^{5}/10^{2} =$
- 5. $10^{-5}/10^{-12} =$

Add the following numbers and express the answer in scientific notation:

- 1. $(2.4 \times 10^3) + (4.3 \times 10^4) =$
- 2. $(3.75 \times 10^{-1}) + (8.7 \times 10^{-2}) =$
- 3. $(6.14 \times 10^8) + (5.4 \times 10^5) =$
- 4. $(1.64 \text{ x } 10^5) + (3.49 \text{ x } 10^4) =$

Subtract the following numbers and express the answer in scientific notation:

- 1. $(2.4 \times 10^4) (3.6 \times 10^4) =$
- 2. $(5.35 \times 10^{-2}) (6.0 \times 10^{-3}) =$
- 3. $(8.8 \times 10^4) (4.2 \times 10^3) =$
- 4. $(1.68 \times 10^2) (3.36 \times 10^1) =$