

Name _____

Using Scientific Notation

Write each answer to these calculations in *scientific notation*.

1) $(8.18 \times 10^{-6})(1.15 \times 10^{-5})$

2) $(5.8 \times 10^{-6})(2 \times 10^4)$

3) $(0.8 \times 10^4)(1.28 \times 10^6)$

4) $(3.8 \times 10^{-6})(2.37 \times 10^{-3})$

5) $(1.9 \times 10^{-3})(2 \times 10^4)$

6) $(9.2 \times 10^5)(4 \times 10^{-3})$

7) $7.8 \times 10^4 / 8 \times 10^1$

8) $5.3 \times 10^3 / 7.65 \times 10^5$

9) $4.6 \times 10^2 + 5.01 \times 10^{-3}$

10) $7.6 \times 10^0 + 5.4 \times 10^{-6}$

11) $5.5 \times 10^{-1} + 5.3 \times 10^2$

12) $2.04 \times 10^{-1} + 2 \times 10^{-2}$

Name _____

Write the following numbers in proper scientific notation:

- 1) .00012
- 2) 1000
- 3) 0.01
- 4) 12
- 6) 596
- 7) .000007
- 8) 1,000,000
- 9) .001257
- 10) 987,653,000,000
- 11) 80

Express each of the following numbers in standard notation:

- 1) 4.9×10^2
- 2) 3.75×10^{-2}
- 3) 5.95×10^{-4}
- 4) 9.46×10^3
- 5) 3.87×10^1
- 6) 7.10×10^0
- 7) 8.2×10^{-5}
- 8) 6.74×10^{-4}
- 9) 7.85×10^7
- 10) 6.000102×10^3
- 11) 5.6×10^{-6}