

Name _____



Notation Detectives

Directions: Each worked example contains one mistake. Find the error, explain what is wrong, and write the correct scientific notation.

1) $52,000 = 52 \times 10^3$

2) $0.00084 = 8.4 \times 10^4$

3) $7,300,000 = 0.73 \times 10^7$

4) $0.0096 = 96 \times 10^{-4}$

5) $450,000 = 4.5 \times 10^4$

6) $0.0000072 = 7.2 \times 10^{-5}$

7) $91,000,000 = 9.1 \times 10^6$

8) $0.00000053 = 53 \times 10^{-8}$