

PROBLEMS: Scientific notation

1) Write the following numbers using scientific notation.

a) 382,000,000,000 _____

b) 9,882 _____

c) 76.124 _____

d) 0.132 _____

e) 0.000,000,000,009 _____

2) Express the following as ordinary numbers.

a) 7.995×10^5 _____

b) 4.21×10^{-4} _____

c) 1.2×10^8 _____

d) 8.02×10^{-2} _____

e) 3.481763×10^6 _____

3) Perform the following calculations. Express the answers scientific notation. Do **NOT** use a calculator.

a) $400 \times 2,000 =$ _____

b) $7,000,000 \times 0.003 =$ _____

c) $\frac{25,000}{0.05} =$ _____

d) $\frac{0.000,008}{0.002} =$ _____

e) $4.3 \times 10^{-3} + 5.8 \times 10^{-4} =$ _____

f) $7.9 \times 10^4 - 9.8 \times 10^3 =$ _____