Physics Review of Scientific Notation

Scientific Notation:

1. Write the following numbers in scientific notation:

a) 5,500,000,000 b) 780 23,010,000

c) 0.091 d) 0.000003004

2. Write the following numbers in regular notation:

a) 5.5 x 10-7 b) 7.1 x 1010 c) 1.0 x 103

3. Compute the following:

a) 103 x 105 b) 4 x 10-3 x -5 x 10-5

c) 10-3 x 105 d) (8.0 x 105)(1.2 x 108)

e) 103 ÷ 105 f) 2.3 x 10-3 ÷ 1.0 x 10-5

g) 10-3 ÷ 105 h) (8.0 x 105) ÷ (1.2 x 108)

i) (3 x 108)2 j)