

Problem 3

(I) Write the following numbers in powers of ten notation: (a) 1.156, (b) 21.8, (c) 0.0068, (d) 328.65, (e) 0.219, and (f) 444.

Solution

$$(a) 1.156 = 1.156 \times 10^0$$

$$(b) 21.8 = 2.18 \times 10^1$$

$$(c) 0.0068 = 6.8 \times 10^{-3}$$

$$(d) 328.65 = 3.2865 \times 10^2$$

$$(e) 0.219 = 2.19 \times 10^{-1}$$

$$(f) 444 = 4.44 \times 10^2$$