

**Problem 4**

(I) Write out the following numbers in full with the correct number of zeros: (a)  $8.69 \times 10^4$ , (b)  $9.1 \times 10^3$ , (c)  $8.8 \times 10^{-1}$ , (d)  $4.76 \times 10^2$ , and (e)  $3.62 \times 10^{-5}$ .

---

**Solution**

$$(a) 8.69 \times 10^4 = 86\,900$$

$$(b) 9.1 \times 10^3 = 9100$$

$$(c) 8.8 \times 10^{-1} = 0.88$$

$$(d) 4.76 \times 10^2 = 476$$

$$(e) 3.62 \times 10^{-5} = 0.0000362$$