

SCIENTIFIC NOTATION

$$3,406,000 = 3.406 \times 10^6$$

$$-0.000982 = -9.82 \times 10^{-4}$$

$$2.17 \times 10^3 = 2170$$

$$8.6 \times 10^{-5} = 0.000086$$

$$\begin{aligned} & (2.3 \times 10^6) (4.7 \times 10^3) \\ &= 10.81 \times 10^{9+1} \\ & \boxed{1.081 \times 10^{10}} \end{aligned}$$

$$\frac{1.7 \times 10^{5-12}}{3.4 \times 10^{12}}$$

$$\begin{aligned} & 0.5 \times 10^{-7-1} \\ & \boxed{5 \times 10^{-8}} \end{aligned}$$

$$\begin{aligned} & 2.3 a^6 \cdot 4.7 a^3 \\ & 10.81 a^9 \end{aligned}$$