

2147      Given  $\sqrt{7} \approx 2,646$

$$\begin{aligned} a) &= \sqrt{700} = \sqrt{7 \cdot 100} = \sqrt{7} \cdot \sqrt{100} = \sqrt{7} \cdot 10 \approx 2,646 \cdot 10 \\ &= 26,46 \end{aligned}$$

$$\begin{aligned} b) &\sqrt{70000} = \sqrt{7 \cdot 10000} = \sqrt{7} \cdot \sqrt{10000} = \sqrt{7} \cdot 100 \\ &\approx 2,646 \cdot 100 = 264,6 \end{aligned}$$