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Square Roots ($\sqrt{\quad}$)

When you take the square root of something you are actually asking "what times itself gives me this number?"

Ex ① Find the square root of each number.

$$\sqrt{36} = \boxed{6}$$

6 · 6

$$\sqrt{169} = \boxed{13}$$

13 13

$$\begin{array}{r} 13 \\ \times 13 \\ \hline 39 \\ 130 \\ \hline 169 \end{array}$$

③ Simplify $\sqrt{400}$

20 20

$$\sqrt{-121} = \boxed{-11}$$

11 11

$$\begin{array}{r} 20 \\ 20 \\ \hline 00 \\ 400 \\ \hline 400 \end{array}$$