

Name: _____ Date: _____ Grade: _____

Instructions: Show your working at the bottom of the page as needed.

Use prime factors to find the square roots for the following numbers:

$$\begin{array}{r} \text{a) } \sqrt{16} = \sqrt{(2 \times 2) \times (2 \times 2)} \\ \quad \quad \quad \underline{2 \quad \times \quad 2} \\ \quad \quad \quad \underline{4} \end{array}$$

$$\begin{array}{r} \text{b) } \sqrt{49} = \sqrt{\quad \quad \quad} \\ \quad \quad \quad \underline{\quad \quad \quad} \\ \text{Ans } \underline{\quad \quad \quad} \end{array}$$

$$\begin{array}{r} \text{c) } \sqrt{64} = \sqrt{\quad \quad \quad} \\ \quad \quad \quad \underline{\quad \quad \quad} \\ \text{Ans } \underline{\quad \quad \quad} \end{array}$$

$$\begin{array}{r} \text{d) } \sqrt{144} = \sqrt{\quad \quad \quad} \\ \quad \quad \quad \underline{\quad \quad \quad} \\ \text{Ans } \underline{\quad \quad \quad} \end{array}$$

$$\begin{array}{r} \text{e) } \sqrt{441} = \sqrt{\quad \quad \quad} \\ \quad \quad \quad \underline{\quad \quad \quad} \\ \text{Ans } \underline{\quad \quad \quad} \end{array}$$

$$\begin{array}{r} \text{f) } \sqrt{1024} := \sqrt{\quad \quad \quad} \\ \quad \quad \quad \underline{\quad \quad \quad} \\ \text{Ans } \underline{\quad \quad \quad} \end{array}$$

$$\begin{array}{r} \text{g) } \sqrt{225} = \sqrt{\quad \quad \quad} \\ \quad \quad \quad \underline{\quad \quad \quad} \\ \text{Ans } \underline{\quad \quad \quad} \end{array}$$

$$\begin{array}{r} \text{h) } \sqrt{625} = \sqrt{\quad \quad \quad} \\ \quad \quad \quad \underline{\quad \quad \quad} \\ \text{Ans } \underline{\quad \quad \quad} \end{array}$$

$$\begin{array}{r} \text{i) } \sqrt{256} := \sqrt{\quad \quad \quad} \\ \quad \quad \quad \underline{\quad \quad \quad} \\ \text{Ans } \underline{\quad \quad \quad} \end{array}$$

