

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:

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

$$\text{b) } \sqrt{49} = \sqrt{\quad}$$

Ans \_\_\_\_\_

$$\text{c) } \sqrt{64} = \sqrt{\quad}$$

Ans \_\_\_\_\_

$$\text{d) } \sqrt{144} = \sqrt{\quad}$$

Ans \_\_\_\_\_

$$\text{e) } \sqrt{441} = \sqrt{\quad}$$

Ans \_\_\_\_\_

$$\text{f) } \sqrt{1024} := \sqrt{\quad}$$

Ans \_\_\_\_\_

$$\text{g) } \sqrt{225} = \sqrt{\quad}$$

Ans \_\_\_\_\_

$$\text{h) } \sqrt{625} = \sqrt{\quad}$$

Ans \_\_\_\_\_

$$\text{i) } \sqrt{256} := \sqrt{\quad}$$

Ans \_\_\_\_\_

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