Name: _____

Prime Factorization and Square Roots

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

a) $\sqrt{16} = \sqrt{(\quad x \quad) x (\quad x \quad)}$

$\quad x$

b) $\sqrt{49} = \sqrt{(\quad x \quad)}$

c) $\sqrt{36} = \sqrt{(\quad x \quad) x (\quad x \quad)}$

$\quad x$

d) $\sqrt{81} = \sqrt{(\quad x \quad) x (\quad x \quad)}$

$\quad x$

e) $\sqrt{121} = \sqrt{(\quad x \quad)}$

f) $\sqrt{100} = \sqrt{(\quad x \quad) x (\quad x \quad)}$

$\quad x$

Bonus

g) $\sqrt{225} = \sqrt{(\quad x \quad) x (\quad x \quad)}$

$\quad x$