

Name:

Date:

Period:

Practice LG 4.2: Simplifying Radicals

Fully simplify the following radical expressions

a) $\sqrt{a^{10}b^{15}c^{11}}$

b) $\sqrt[3]{\frac{b^9}{b^{-5}}}$

c) $\sqrt[3]{24y^{10}}$

d) $\sqrt[3]{b^3} \cdot \sqrt[3]{8b^8}$

$$e) \sqrt{a^5 b^9 c^6}$$

$$f) \sqrt[5]{\frac{b^{10}}{b^{-8}}}$$

$$g) \sqrt[3]{27x^6 y^8}$$

$$h) \sqrt[4]{2b^3} \cdot \sqrt[4]{8b^5}$$