

PRE-AP ALGEBRA 2

- 1) Simplify each expression. Express your answers with only positive exponents.

a)

$$\frac{3^2 x^7 (yz^2)^7}{3^{-2} x^3 y^{-7} z^{12}}$$

b)

$$\frac{16x^{-1} \left(\sqrt[4]{y^3 z^2} \right)^4}{4x^3 y^3 z^{-2}}$$

3A.1 CLASSWORK

- 2) Write each expression as a single radical.

a)

$$\frac{\sqrt[3]{x}}{\sqrt[5]{x^4}}$$

b)

$$\sqrt[3]{x^2} \cdot \sqrt[5]{x^4}$$