FoM10 - Chapter 4 PRACTICE Test – NO CALCULATOR SECTION

/7 Written Response: SHOW ALL WORK!

1) <u>Are the following statements True or False:</u> (1 mark each)

a) All roots are irrational numbers: _____

b) All natural numbers are integers: _____

2) Write each radical in simplest form: (1 mark each)

a) $\sqrt{40}$ b) $\sqrt[3]{32}$

3) Write $7^{\frac{4}{3}}$ as a radical: (1 mark)   _____

4) Simplify. *(answer MUST have positive exponents!)* (2 marks)

$$\left(\frac{18x^3y^{\frac{-11}{4}}}{2x^{-9}y^{\frac{5}{4}}} \right)^{\frac{1}{2}}$$