

FORM 3 MATHEMATICS
CHAPTER 1: INDICES

NAME: _____

CLASS: _____

Calculate the value of each the following without using a calculator.
1.2.6 Perform operations involving laws of Indices.

TP 4

$$4^{\frac{1}{3}} \times 50^{\frac{2}{3}} \times 10^{\frac{5}{3}}$$

$$= \boxed{} \times \boxed{} \times \boxed{}$$

$$= \boxed{} \times \boxed{} \times \boxed{}$$

$$= \boxed{} \times \boxed{}$$

$$= \boxed{} \times \boxed{}$$

$$= \boxed{}$$

$$= \boxed{}$$

$$2^{\frac{2}{3}}$$

$$1000$$

$$5^3$$

$$2^{\frac{2}{3} + \frac{2}{3} + \frac{5}{3}}$$

$$(10)^3$$

$$2^{\frac{5}{3}} \times 5^{\frac{5}{3}}$$

$$(2^2)^{\frac{1}{3}}$$

$$2^{\frac{2}{3}} \times 5^{\frac{4}{3}}$$

$$2^3$$

$$(2 \times 5)^{\frac{5}{3}}$$

$$5^{\frac{4}{3} + \frac{5}{3}}$$

$$(2 \times 5^2)^{\frac{2}{3}}$$

SMJK CHONG HWA

FORM 3 MATHEMATICS

LIVEWORKSHEETS