

## OPERATIONS WITH EXPONENTS – MIXED QUESTION

NAME: \_\_\_\_\_

Evaluate the following.

(01).  $\left(\frac{27}{125}\right)^{\frac{2}{3}}$

(02).  $(0.81)^{\frac{3}{2}}$

(03).  $\left(\frac{27}{64}\right)^{\frac{2}{3}}$

(04).  $\left(\frac{9}{100}\right)^{-\frac{3}{2}} \times \left(\frac{4}{25}\right)^{\frac{3}{2}}$

(05).  $(27)^{1\frac{1}{3}} \times (81)^{-1\frac{1}{4}}$

(06).  $\left(11\frac{1}{9}\right)^{-\frac{1}{2}} \times \left(6\frac{1}{4}\right)^{-\frac{3}{2}}$

(07).  $(0.125)^{-\frac{1}{3}} \times (0.25)^{\frac{3}{2}}$

(08).  $\left(\frac{4}{25}\right)^{\frac{1}{2}} \times \left(\frac{3}{4}\right)^{-1} \times 2^0$

(09).  $\left(\frac{125}{64}\right)^{-\frac{1}{3}} \times (\sqrt[5]{32})^3 \times 3^0$

(10).  $(\sqrt[3]{8})^2 \times \sqrt[4]{16^3}$