Math – Quiz 1 (10 marks)

Student's Name: _____

Grade 10th

مدارس البكالوريا

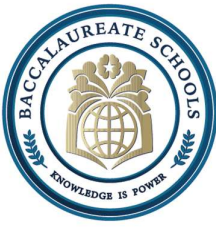BACCALAUREATE SCHOOLS

02nd September, 2025

Q1)

If $2^4 \times 4^2 = 16^x$, then $x =$

Q2) Simplify the following expression as simple as possible:

$$\frac{\left(b^{2n+1}\right)^3}{b^n \cdot b^{5n+1}}$$

Muath Dawood

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Q3) Owen gets paid *$280 per week* plus *5% commission on all sales* for selling electronic equipment. If he *sells d dollars' worth of electronic equipment in one week*, **write an algebraic expression the represents the amount of money he will earn in w weeks.**

Q4)

If $x = \sqrt{6}$ and $y^2 = 12$, then $\dfrac{4}{xy} =$

Q5)

If Carol earns x dollars a week for 3 weeks and y dollars a week for 4 weeks, what is the average number of dollars per week that she earns?

Muath Dawood