

Grade 12 Quiz

1. What is the order of Matrix PQ if P has order 2×3 and Q has order 3×4
 - A. 2×2
 - B. 3×3
 - C. 2×4
 - D. 4×2

2. What is the determinant of an identity matrix of order 3×3
 - A. 0
 - B. 1
 - C. 2
 - D. 3

3. What is the second order derivative of $\sin x$
 - A. $\cos x$
 - B. $\sin x$
 - C. $-\cos x$
 - D. $-\sin x$

4. Derivative of constant polynomial is
 - A. X
 - B. Y
 - C. 0
 - D. 1

5. Derivative of $\log x$ is
 - A. $\log x$
 - B. X
 - C. $1/x$
 - D. 0

6. derivative of $\sin 30$ is
 - A. $\cos 30$
 - B. $\operatorname{cosec} 30$
 - C. 0
 - D. 30