MANITOBA INTRODUCTION TO CALCULUS 45S · UNIT C · 10 QUESTIONS

Applications of Derivatives — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 The definite integral from 0 to 4 of 6 x plus 5 is

ANSWER _____

Understand It with Pulse | Flag a mistake

2 The limit as x approaches 4 of 2 x plus 7 is

ANSWER _____

Understand It with Pulse | Flag a mistake

3 The longest side of a right triangle is the

A. adjacent

B. opposite

C. leg

D. hypotenuse

Understand It with Pulse | Flag a mistake

4 **The point where a graph crosses the x axis is the**

A y intercept

B x intercept

C vertex

D origin

Understand It with Pulse | Flag a mistake

5 **The point where a graph crosses the y axis is the**

A y intercept

B x intercept

C vertex

D origin

Understand It with Pulse | Flag a mistake

6 **The ratio of circumference to diameter is**

A two

B three

C pi

D the radius

Understand It with Pulse | Flag a mistake

7 **Two lines that meet at a right angle are**

A parallel

B coincident

C skew

D perpendicular

Understand It with Pulse | Flag a mistake

8 **Two lines that never meet are**

A perpendicular

B intersecting

C parallel

D coincident

Understand It with Pulse | Flag a mistake

9 **The definite integral from 0 to 3 of 4 x plus 3 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **The definite integral from 0 to 5 of 4 x plus 4 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	68	**5.**	A	**9.**	27
2.	15	**6.**	C	**10.**	70
3.	D	**7.**	D		
4.	B	**8.**	C		

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