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

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 graph shows $y = 1x^2$. The slope of the tangent at $x = 2$ is**

ANSWER

Understand It with Pulse | Flag a mistake

2 **The derivative of $4x^2 + 7x$ at $x = 5$ is**



ANSWER

Understand It with Pulse | Flag a mistake

3 **The definite integral from 0 to 3 of 4 x plus 1 is**

ANSWER

Understand It with Pulse | Flag a mistake

4 **The definite integral from 0 to 3 of 4 x plus 2 is**

ANSWER _____

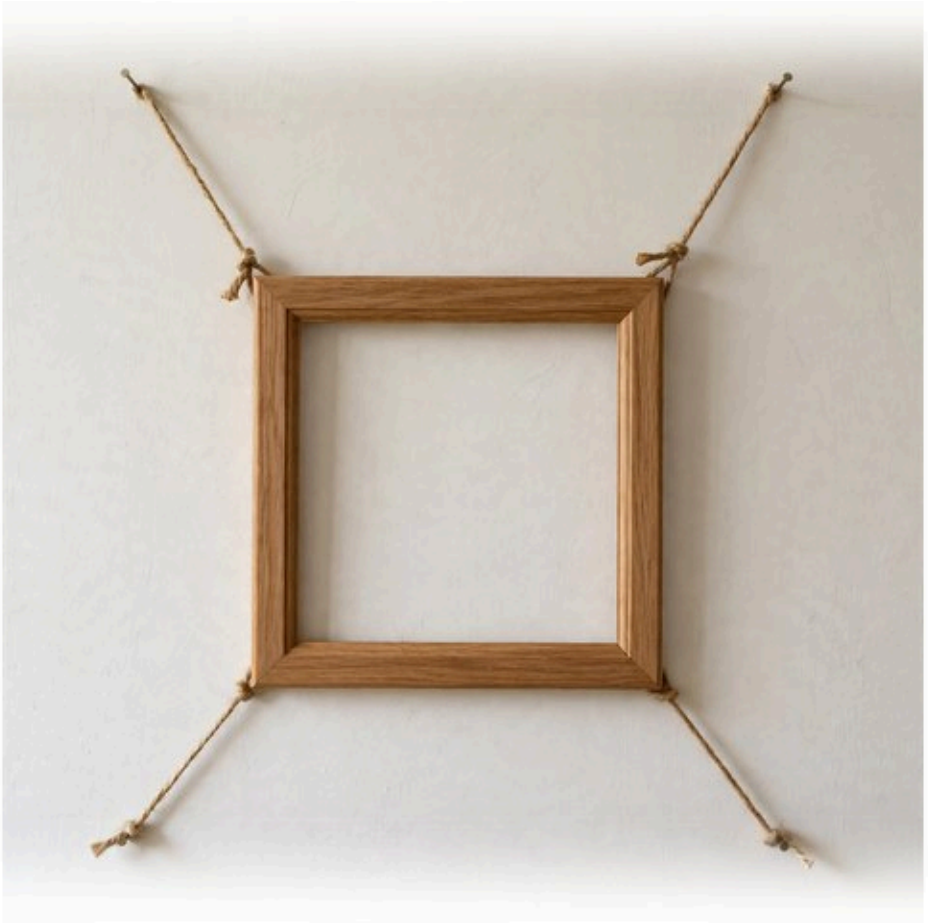
Understand It with Pulse | Flag a mistake

5 **The limit as x approaches 4 of 6 x plus 7 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **The sum of the interior angles of a quadrilateral is**



A 180 degrees

B 270 degrees

C 360 degrees

D 540 degrees

Understand It with Pulse | Flag a mistake

7 **A polygon with five sides is a**

A hexagon

B octagon

C heptagon

D pentagon

Understand It with Pulse | Flag a mistake

8 **A polygon with six sides is a**

A hexagon

B pentagon

C octagon

D decagon

Understand It with Pulse | Flag a mistake

9

A polygon with eight sides is an

A hexagon

B octagon

C pentagon

D decagon

Understand It with Pulse | Flag a mistake

10

The distance around a circle is the

A diameter

B radius

C circumference

D area

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 4
2. 47
3. 21
4. 24
5. 31
6. C
7. D
8. A
9. B
10. C

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