MANITOBA INTRODUCTION TO CALCULUS 45S · FINAL EXAM · 50 QUESTIONS

Final Exam — 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 2 of 6 x plus 1 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **The definite integral from 0 to 4 of 4 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **The definite integral from 0 to 4 of 6 x plus 4 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **The definite integral from 0 to 2 of 6 x plus 3 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **The derivative of $2x^3$ at $x = 3$ is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **The limit as x approaches 5 of 4 x plus 1 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **The limit as x approaches 5 of 3 x plus 1 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **The derivative of $3x^2 + 5x$ at $x = 4$ is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **A straight line graph has a slope that is**

A increasing

B zero always

C undefined always

D constant

Understand It with Pulse | Flag a mistake

10 **The definite integral from 0 to 2 of 2 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

11 **A triangle with no sides equal is**

A isosceles

B equilateral

C scalene

D right

Understand It with Pulse | Flag a mistake

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

A y intercept

B vertex

C origin

D x intercept

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13 **In the expression 3x plus 5, the number 3 is the**

- A constant
- B coefficient
- C variable
- D solution

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14 **The definite integral from 0 to 2 of 6 x plus 5 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

15 **Half of the diameter of a circle is the**

A circumference

B radius

C chord

D arc

Understand It with Pulse | Flag a mistake

16 **An angle measuring more than 90 degrees but less than 180 degrees is an**

A acute angle

B right angle

C reflex angle

D obtuse angle

Understand It with Pulse | Flag a mistake

17 **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

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

ANSWER _____

Understand It with Pulse | Flag a mistake

19 **A triangle with two sides equal is**

A equilateral

B isosceles

C scalene

D obtuse

Understand It with Pulse | Flag a mistake

20 **The limit as x approaches 5 of 2 x plus 1 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

21 **The definite integral from 0 to 4 of 6 x plus 3 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **The slope of a horizontal line is**

A one

B undefined

C zero

D negative

Understand It with Pulse | Flag a mistake

23 **The limit as x approaches 5 of 6 x plus 1 is**

ANSWER _____

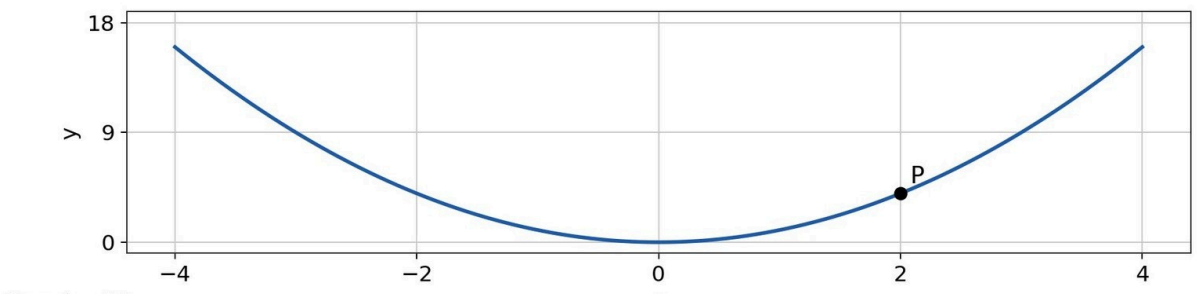
Understand It with Pulse | Flag a mistake

24 **The limit as x approaches 5 of 5 x plus 1 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

25 **The graph shows y = 1x² . The slope of the tangent at x = 2 is**



ANSWER

Understand It with Pulse | Flag a mistake

26 **A triangle with all sides equal is**

A isosceles

B scalene

C equilateral

D right

Understand It with Pulse | Flag a mistake

27 **An angle measuring 90 degrees is a**

A acute angle

B obtuse angle

C straight angle

D right angle

Understand It with Pulse | Flag a mistake

28 **The definite integral from 0 to 5 of 5 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

29 **The derivative of $2x^2 + 3x$ at $x = 3$ is**

ANSWER _____

Understand It with Pulse | Flag a mistake

30 **The line that divides a parabola into two equal halves is the**

A directrix

B axis of symmetry

C asymptote

D tangent

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31 **The definite integral from 0 to 4 of 6 x plus 2 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

32 **An angle measuring less than 90 degrees is an**

A obtuse angle

B right angle

C acute angle

D reflex angle

Understand It with Pulse | Flag a mistake

33 **The definite integral from 0 to 3 of 3 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

34 **The derivative of 1 x^3 at x = 2 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

35 **The limit as x approaches 4 of 4 x plus 7 is**

ANSWER

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36 **The limit as x approaches 4 of 3 x plus 7 is**

ANSWER

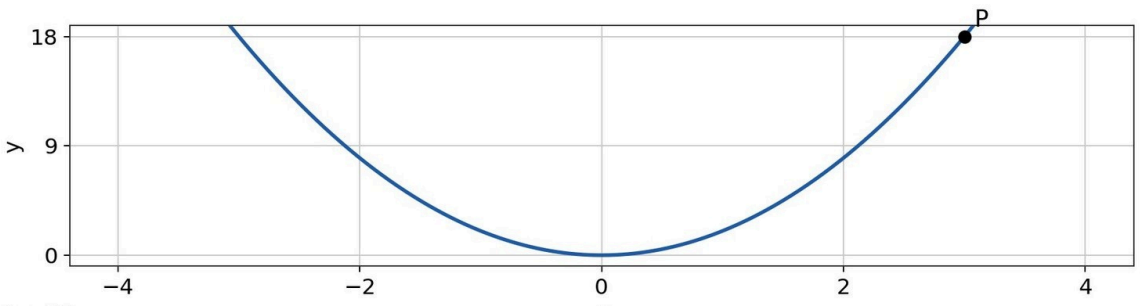
Understand It with Pulse | Flag a mistake

37 **The definite integral from 0 to 2 of 6 x plus 2 is**

ANSWER

Understand It with Pulse | Flag a mistake

38 **The graph shows $y = 2x^2$. The slope of the tangent at x = 3 is**



ANSWER

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

41 **The slope of a vertical line is**

A zero

B undefined

C one

D negative

Understand It with Pulse | Flag a mistake

42 **The derivative of $1x^2 + 1x$ at $x = 2$ is**

ANSWER _____

Understand It with Pulse | Flag a mistake

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

A two

B three

C pi

D the radius

Understand It with Pulse | Flag a mistake

44 **The highest or lowest point of a parabola is the**

A vertex

B intercept

C axis

D root

Understand It with Pulse | Flag a mistake

45 **The value that makes an equation true is called the**

A solution

B coefficient

C variable

D expression

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46 The sum of the interior angles of a quadrilateral is

- A 180 degrees
- B 270 degrees
- C 360 degrees
- D 540 degrees

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

ANSWER _____

Understand It with Pulse | Flag a mistake

48 The definite integral from 0 to 5 of 4 x plus 2 is

ANSWER _____

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

50 **A polygon with eight sides is an**

A hexagon

B octagon

C pentagon

D decagon

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	14	**18.**	68	**35.**	23
2.	16	**19.**	B	**36.**	19
3.	64	**20.**	11	**37.**	16
4.	18	**21.**	60	**38.**	12
5.	54	**22.**	C	**39.**	15
6.	21	**23.**	31	**40.**	31
7.	16	**24.**	26	**41.**	B
8.	29	**25.**	4	**42.**	5
9.	D	**26.**	C	**43.**	C
10.	4	**27.**	D	**44.**	A
11.	C	**28.**	25	**45.**	A
12.	D	**29.**	15	**46.**	C
13.	B	**30.**	B	**47.**	27
14.	22	**31.**	56	**48.**	60
15.	B	**32.**	C	**49.**	21
16.	D	**33.**	9	**50.**	B
17.	A	**34.**	12		

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