NORTHWEST TERRITORIES PRE-CALCULUS 11 (MPREC11) · UNIT B · 10 QUESTIONS

Quadratic Functions and Equations — 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 solutions of $x^2 + 2x - 15 = 0$ are**

- A 5 and -3
- B -5 and 3
- C 3 and 5
- D -3 and -5

Understand It with Pulse | Flag a mistake

2 The y-intercept of $y = 2x^2 - 3x + 5$ is

- **A** 5
- **B** -3
- **C** 2
- **D** -5

Understand It with Pulse | Flag a mistake

3 The x-intercepts of $y = x^2 - 5x + 6$ are

- **A** 2 and 3
- **B** -2 and -3
- **C** 1 and 6
- **D** -1 and -6

Understand It with Pulse | Flag a mistake

4 The x-coordinate of the vertex of $y = 2x^2 - 12x + 7$ is ____.

ANSWER _____

Understand It with Pulse | Flag a mistake

5 The y-coordinate of the vertex of $y = x^2 - 4x + 1$ is ____.

ANSWER _____

Understand It with Pulse | Flag a mistake

6 The solutions of $2x^2 - 5x - 3 = 0$ are

A $\frac{1}{2}$ and -3

B -1/2 and 3

C 1 and -3

D -1 and 3

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7 **The y-intercept of $y = 3x^2 - 2x - 4$ is ____.**

ANSWER _____

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8 **The x-intercepts of $y = x^2 - 4x - 5$ are**

A -1 and 5

B 1 and -5

C 1 and 5

D -1 and -5

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9 **The solutions of $x^2 - 10x + 21 = 0$ are**

- A 3 and 7
- B -3 and -7
- C 3 and -7
- D -3 and 7

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10 **The y-intercept of $y = -x^2 + 2x - 7$ is**

- A 2
- B -1
- C -7
- D 7

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. B
2. A
3. A
4. 3
5. -3
6. B
7. -4
8. A
9. A
10. C

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