PRINCE EDWARD ISLAND PRE-CALCULUS 11 · UNIT C

Quadratic Functions — Practice Test

Prince Edward Island Pre-Calculus 11 • 10 questions

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 **For the quadratic y = (x - 2)(x - 6) what is the x coordinate of the vertex**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **For the quadratic y = (x - 2)(x - 4) what is the larger root**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **The minimum value of y = (x - 2)² plus 4 is**

A 4

B 2

C -2

D 0

Understand It with Pulse | Flag a mistake

4 **The product of the roots of x² - 7x + 10 = 0 is**

A 7

B -10

C 10

D 17

Understand It with Pulse | Flag a mistake

5 The quadratic formula solves equations of the form

- **A** $ax^2 + bx + c = 0$
- **B** $mx + b = 0$
- **C** $x^2 = 0$ only
- **D** $a^x = b$

Understand It with Pulse | Flag a mistake

6 The sum of the roots of $x^2 - 7x + 10 = 0$ is

- **A** 10
- **B** 7
- **C** -7
- **D** 3

Understand It with Pulse | Flag a mistake

7 The vertex of $y = x^2 - 4x + 3$ has x coordinate

- A 4
- B 2
- C 1
- D 3

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

- A 5
- B 2
- C -5
- D -2

Understand It with Pulse | Flag a mistake

9 **Writing $y = x^2 + 6x + 5$ in vertex form gives vertex**

A (3, 4)

B (-3, 4)

C (3, -4)

D (-3, -4)

Understand It with Pulse | Flag a mistake

10 **For the quadratic $y = (x - 4)(x - 1)$ what is the x coordinate of the vertex**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	4.00	**5.**	A	**9.**	D
2.	4	**6.**	B	**10.**	2.50
3.	A	**7.**	B		
4.	C	**8.**	C		

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