ONTARIO FUNCTIONS AND APPLICATIONS, GRADE 11, UNIVERSITY/COLLEGE PREPARATION (MCF3M) · UNIT A

Quadratic Functions — Practice Test

Ontario Functions and Applications, Grade 11, University/College Preparation (MCF3M) • 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 **The y intercept of $y = x^2 - 3x + 8$ is**

- A 8
- B 9
- C 5
- D 0

Understand It with Pulse | Flag a mistake

2 **The zeros of $y = (x - 3)(x + 4)$ are**

- **A** $x = -3, x = 4$
- **B** $x = 3, x = 4$
- **C** $x = 3, x = -4$
- **D** $x = -3, x = -4$

Understand It with Pulse | Flag a mistake

3 **A ball is thrown and its height follows $y = (x - 3)^2 - 4$ The vertex of this parabola is**

- **A** (3, -4)
- **B** (-3, -4)
- **C** (3, 4)
- **D** (-3, 4)

Understand It with Pulse | Flag a mistake

4 **A rectangular garden has length 10 metres more than its width, and its area is 60 m². Its width, in metres, is**

- A 7
- B 8
- C 6
- D 5

Understand It with Pulse | Flag a mistake

5 **The sum of the roots of $x^2 - 9x + 8 = 0$ is**

- A 9
- B 8
- C 10
- D -7

Understand It with Pulse | Flag a mistake

6 The y intercept of $y = x^2 - 3x + 10$ is

- A 11
- B 10
- C 7
- D 0

Understand It with Pulse | Flag a mistake

7 The zeros of $y = (x - 4)(x + 5)$ are

- A $x = 4, x = -5$
- B $x = -4, x = 5$
- C $x = 4, x = 5$
- D $x = -4, x = -5$

Understand It with Pulse | Flag a mistake

8 **A ball is thrown and its height follows $y = (x - 1)^2 + 2$ The vertex of this parabola is**

- A (-1, 2)
- B (1, -2)
- C (1, 2)
- D (-1, -2)

Understand It with Pulse | Flag a mistake

9 **The y intercept of $y = x^2 - 3x + 12$ is**

- A 13
- B 9
- C 0
- D 12

Understand It with Pulse | Flag a mistake

10 **The zeros of y = (x - 5)(x + 2) are**

A x = -5, x = 2

B x = 5, x = 2

C x = 5, x = -2

D x = -5, x = -2

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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