SASKATCHEWAN FOUNDATIONS OF MATHEMATICS 20 · UNIT F

Quadratic Functions — Practice Test

Saskatchewan Foundations of Mathematics 20 • 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 factored form of $x^2 + 2x - 8$ is**

- A $(x - 2)(x + 4)$
- B $(x + 2)(x - 4)$
- C $(x - 2)(x - 4)$
- D $(x + 2)(x + 4)$

Understand It with Pulse | Flag a mistake

2 **The y-intercept of $y = x^2 - 3x + 1$ is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Solve : $x^2 = 9$. The positive root is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A ball is thrown upward and its height is given by $h(t) = -5t^2 + 20t$. The time , in seconds , when the ball reaches its maximum height is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **The vertex of $y = (x + 2)^2 + 2$ is**

A (2, 2)

B (-2, 2)

C (-2, -2)

D (2, -2)

Understand It with Pulse | Flag a mistake

6 The factored form of $x^2 + 0x - 16$ is

- **A** $(x + 4)(x - 4)$
- **B** $(x - 4)(x - 4)$
- **C** $(x + 4)(x + 4)$
- **D** $(x - 4)(x + 4)$

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

8 Solve : $x^2 = 4$. The positive root is

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **The factored form of $x^2 + 0x - 4$ is**

- **A** $(x - 2)(x + 2)$
- **B** $(x + 2)(x - 2)$
- **C** $(x - 2)(x - 2)$
- **D** $(x + 2)(x + 2)$

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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