NOVA SCOTIA PRE-CALCULUS 12 · UNIT B

Radical and Polynomial Functions — Practice Test

Nova Scotia Pre-Calculus 12 • 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 **Solve square root of x = 21 , giving x .**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **Solve square root of x = 22 , giving x .**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Solve square root of x = 23 , giving x .**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **To factor $x^2 - 9$, use**

- A the difference of squares
- B the sum of cubes
- C the quadratic formula only
- D long division only

Understand It with Pulse | Flag a mistake

5 **The discriminant of a quadratic tells**

- A its vertex
- B how many real roots it has
- C its y intercept
- D its degree

Understand It with Pulse | Flag a mistake

6 **A quadratic with a positive discriminant has**

A one real root

B no real roots

C two distinct real roots

D three real roots

Understand It with Pulse | Flag a mistake

7 **A quadratic with a zero discriminant has**

A two distinct real roots

B no real roots

C an infinite number of roots

D one repeated real root

Understand It with Pulse | Flag a mistake

8 **A quadratic with a negative discriminant has**

A no real roots

B two real roots

C one real root

D a vertex at zero

Understand It with Pulse | Flag a mistake

9 **The vertex form of a quadratic shows**

A the zeros directly

B the vertex directly

C the y intercept only

D the degree only

Understand It with Pulse | Flag a mistake

10 **Completing the square rewrites a quadratic in**

A factored form

B standard form only

C vertex form

D intercept form only

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	441	**5.**	B	**9.**	B
2.	484	**6.**	C	**10.**	C
3.	529	**7.**	D		
4.	A	**8.**	A		

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