Exponents, Radicals and Polynomials — Practice Test

Prince Edward Island Foundations of Mathematics and Pre-Calculus 10 • 25 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 **In algebra work, which term matches this description: number showing repeated multiplication?**

- A radical
- B exponent
- C polynomial
- D coefficient

Understand It with Pulse | Flag a mistake

2 **In algebra work, what is the main purpose or meaning of exponent?**

A symbol for a root

B number showing repeated multiplication

C sum of terms with powers

D number multiplying a variable

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3 **In algebra work, which term matches this description: symbol for a root?**

A polynomial

B coefficient

C radical

D degree

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4 **In algebra work, what is the main purpose or meaning of radical?**

A sum of terms with powers

B number multiplying a variable

C highest power in a polynomial

D symbol for a root

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5 **In algebra work, which term matches this description: sum of terms with powers?**

A polynomial

B coefficient

C degree

D monomial

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6 **In algebra work, what is the main purpose or meaning of polynomial?**

A number multiplying a variable

B sum of terms with powers

C highest power in a polynomial

D polynomial with one term

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7 **In algebra work, which term matches this description: number multiplying a variable?**

A degree

B monomial

C coefficient

D binomial

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8 **In algebra work, what is the main purpose or meaning of coefficient?**

- A highest power in a polynomial
- B polynomial with one term
- C polynomial with two terms
- D number multiplying a variable

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9 **In algebra work, which term matches this description: highest power in a polynomial?**

- A degree
- B monomial
- C binomial
- D trinomial

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10 **In algebra work, what is the main purpose or meaning of degree?**

A polynomial with one term

B highest power in a polynomial

C polynomial with two terms

D polynomial with three terms

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11 **In algebra work, which term matches this description: polynomial with one term?**

A binomial

B trinomial

C monomial

D like terms

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12 **In algebra work, what is the main purpose or meaning of monomial?**

- A polynomial with two terms
- B polynomial with three terms
- C terms with the same variables
- D polynomial with one term

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13 **In algebra work, which term matches this description: polynomial with two terms?**

- A binomial
- B trinomial
- C like terms
- D simplify

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14 **In algebra work, what is the main purpose or meaning of binomial?**

- A polynomial with three terms
- B polynomial with two terms
- C terms with the same variables
- D rewrite in simplest form

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15 **Evaluate 2x + 3 when x = 2 . The value is**

ANSWER _____

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16 **Evaluate $2x^2$ when x = 3 . The value is**

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **Evaluate 2x + 2 when x = 3 . The value is**

ANSWER _____

Understand It with Pulse | Flag a mistake

18 **Evaluate $3x^2$ when x = 2 . The value is**

ANSWER _____

Understand It with Pulse | Flag a mistake

19 **Evaluate 2x + 2 when x = 4 . The value is**

ANSWER _____

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20 **Evaluate $4x^2$ when x = 2 . The value is**

ANSWER _____

Understand It with Pulse | Flag a mistake

21 **Evaluate 2x + 5 when x = 2 . The value is**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **Evaluate $2x^2$ when x = 5 . The value is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **Evaluate 2x + 2 when x = 5 . The value is**

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **Evaluate $5x^2$ when x = 2 . The value is**

ANSWER _____

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25

Evaluate 2x + 4 when x = 3 . The value is

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	B	**10.**	B	**19.**	10
2.	B	**11.**	C	**20.**	16
3.	C	**12.**	D	**21.**	9
4.	D	**13.**	A	**22.**	50
5.	A	**14.**	B	**23.**	12
6.	B	**15.**	7	**24.**	20
7.	C	**16.**	18	**25.**	10
8.	D	**17.**	8		
9.	A	**18.**	12		

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