Final Exam — Practice Test

Prince Edward Island Foundations of Mathematics and Pre-Calculus 10 • 50 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 measurement work, which term matches this description: distance from end to end?**

- A length
- B cylinder
- C SI unit
- D area

Understand It with Pulse | Flag a mistake

2 **In triangle work, what is the main purpose or meaning of adjacent side?**

A angle up from horizontal

B angle down from horizontal

C triangle with a 90 degree angle

D side next to an angle

Understand It with Pulse | Flag a mistake

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

A polynomial

B coefficient

C radical

D degree

Understand It with Pulse | Flag a mistake

4 **In line work, what is the main purpose or meaning of domain?**

A set of possible output values

B set of allowed input values

C lines with equal slopes

D lines meeting at right angles

Understand It with Pulse | Flag a mistake

5 **In equation work, what is the main purpose or meaning of dependent system?**

A point shared by two graphs

B system with infinite solutions

C equation with degree one

D check a solution in each equation

Understand It with Pulse | Flag a mistake

6 **In measurement work, what is the main purpose or meaning of length?**

A solid with circular ends

B distance from end to end

C standard unit used in measurement

D space inside a shape

Understand It with Pulse | Flag a mistake

7 **In triangle work, what is the main purpose or meaning of hypotenuse?**

A side across from an angle

B side next to an angle

C angle up from horizontal

D longest side of a right triangle

Understand It with Pulse | Flag a mistake

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

A degree

B monomial

C coefficient

D binomial

Understand It with Pulse | Flag a mistake

9 **In line work, what is the main purpose or meaning of perpendicular lines?**

A form y equals mx plus b

B picture of a relation

C steepness of a line

D lines meeting at right angles

Understand It with Pulse | Flag a mistake

10 **In equation work, what is the main purpose or meaning of linear equation?**

A check a solution in each equation

B equation with degree one

C two or more equations together

D values satisfying all equations

Understand It with Pulse | Flag a mistake

11 **In measurement work, what is the main purpose or meaning of surface area?**

A changing one unit to another

B distance around a shape

C amount a container holds

D total area of all faces

Understand It with Pulse | Flag a mistake

12 **In triangle work, what is the main purpose or meaning of sine?**

A ratio of adjacent over hypotenuse

B ratio of opposite over hypotenuse

C ratio of opposite over adjacent

D longest side of a right triangle

Understand It with Pulse | Flag a mistake

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

A binomial

B trinomial

C monomial

D like terms

Understand It with Pulse | Flag a mistake

14 **In line work, what is the main purpose or meaning of x intercept?**

A rule giving one output per input

B where a line crosses the x axis

C set of allowed input values

D set of possible output values

Understand It with Pulse | Flag a mistake

15 **In equation work, what is the main purpose or meaning of verify?**

A two or more equations together

B values satisfying all equations

C replacing a variable with an expression

D check a solution in each equation

Understand It with Pulse | Flag a mistake

16 **In measurement work, which term matches this description: changing one unit to another?**

- A perimeter
- B conversion
- C capacity
- D mass

Understand It with Pulse | Flag a mistake

17 **In triangle work, which term matches this description: angle up from horizontal?**

- A angle of elevation
- B angle of depression
- C right triangle
- D Pythagorean theorem

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

19 **In line work, which term matches this description: lines with equal slopes?**

A parallel lines

B perpendicular lines

C slope intercept form

D graph

Understand It with Pulse | Flag a mistake

20 **In equation work, which term matches this description: point shared by two graphs?**

- A linear equation
- B verify
- C intersection point
- D system

Understand It with Pulse | Flag a mistake

21 **In measurement work, which term matches this description: amount a container holds?**

- A capacity
- B mass
- C length
- D cylinder

Understand It with Pulse | Flag a mistake

22 **In triangle work, which term matches this description: relates sides of a right triangle?**

A sine

B cosine

C Pythagorean theorem

D tangent

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **In line work, which term matches this description: set of possible output values?**

A parallel lines

B perpendicular lines

C range

D slope intercept form

Understand It with Pulse | Flag a mistake

25 **In equation work, which term matches this description: system with no solution?**

A dependent system

B intersection point

C inconsistent system

D linear equation

Understand It with Pulse | Flag a mistake

26 A triangle has base 16 centimetres and height 3 centimetres. Its area in cm^2 is

ANSWER _____

Understand It with Pulse | Flag a mistake

27 A right triangle has legs 6 units and 8 units. The hypotenuse in units is

ANSWER _____

Understand It with Pulse | Flag a mistake

28 Evaluate $2x + 2$ when $x = 5$. The value is

ANSWER _____

Understand It with Pulse | Flag a mistake

29 A line has slope 3 and y intercept 1 . The value of y when $x = 0$ is

ANSWER _____

Understand It with Pulse | Flag a mistake

30 **Solve x + y = 5 and x - y = 1 . The value of y is**

ANSWER

Understand It with Pulse | Flag a mistake

31 **A triangle has base 14 centimetres and height 4 centimetres. Its area in cm² is**

ANSWER

Understand It with Pulse | Flag a mistake

32 **A right triangle has legs 9 units and 12 units. The hypotenuse in units is**

ANSWER

Understand It with Pulse | Flag a mistake

33 **In algebra work, what is the main purpose or meaning of trinomial?**

- A terms with the same variables
- B rewrite in simplest form
- C number showing repeated multiplication
- D polynomial with three terms

Understand It with Pulse | Flag a mistake

34 **A line has slope 4 and y intercept 2 . The value of y when x = 0 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

35 **Solve x + y = 5 and x - y = 3 . The value of y is**

ANSWER _____

Understand It with Pulse | Flag a mistake

36 **A rectangle has length 10 centimetres and width 3 centimetres. Its area in cm² is**

ANSWER _____

Understand It with Pulse | Flag a mistake

37 **A right triangle has hypotenuse 25 units and one leg 7 units. The other leg in units is**

ANSWER _____

Understand It with Pulse | Flag a mistake

38 **In algebra work, what is the main purpose or meaning of simplify?**

A number showing repeated multiplication

B symbol for a root

C sum of terms with powers

D rewrite in simplest form

Understand It with Pulse | Flag a mistake

39 **A line has equation $y = 5x + 1$. When $x = 4$, the value of y is**

ANSWER _____

Understand It with Pulse | Flag a mistake

40 **Solve $x + y = 7$ and $x - y = 3$. The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

41 **A rectangle has length 12 centimetres and width 2 centimetres. Its area in cm^2 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

42 **A right triangle has hypotenuse 25 units and one leg 15 units. The other leg in units is**

ANSWER _____

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

44 **A line has equation y = 1x + 2 . When x = 4 , the value of y is**

ANSWER _____

Understand It with Pulse | Flag a mistake

45 **Solve x + y = 3 and x - y = -1 . The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

46 **A rectangle has length 3 centimetres and width 8 centimetres. Its area in cm² is**

ANSWER _____

Understand It with Pulse | Flag a mistake

47 **A right triangle has hypotenuse 29 units and one leg 20 units. The other leg in units is**

ANSWER _____

Understand It with Pulse | Flag a mistake

48 **Evaluate 2x + 3 when x = 5 . The value is**

ANSWER _____

Understand It with Pulse | Flag a mistake

49 **A line has equation y = 2x + 2 . When x = 4 , the value of y is**

ANSWER _____

Understand It with Pulse | Flag a mistake

50 **Solve x + y = 3 and x - y = 1 . The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	A	**18.**	7	**35.**	1
2.	D	**19.**	A	**36.**	30
3.	C	**20.**	C	**37.**	24
4.	B	**21.**	A	**38.**	D
5.	B	**22.**	C	**39.**	21
6.	B	**23.**	10	**40.**	5
7.	D	**24.**	C	**41.**	24
8.	C	**25.**	C	**42.**	20
9.	D	**26.**	24	**43.**	8
10.	B	**27.**	10	**44.**	6
11.	D	**28.**	12	**45.**	1
12.	B	**29.**	1	**46.**	24
13.	C	**30.**	2	**47.**	21
14.	B	**31.**	28	**48.**	13
15.	D	**32.**	15	**49.**	10
16.	B	**33.**	D	**50.**	2
17.	A	**34.**	2		

© 2026 Brett Robbins. All Rights Reserved.