NEWFOUNDLAND AND LABRADOR MATHEMATICS 3202 · UNIT C · 25 QUESTIONS

Linear Relationships — Practice Test

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 **A line parallel to a line of slope 3 has slope**



A 3

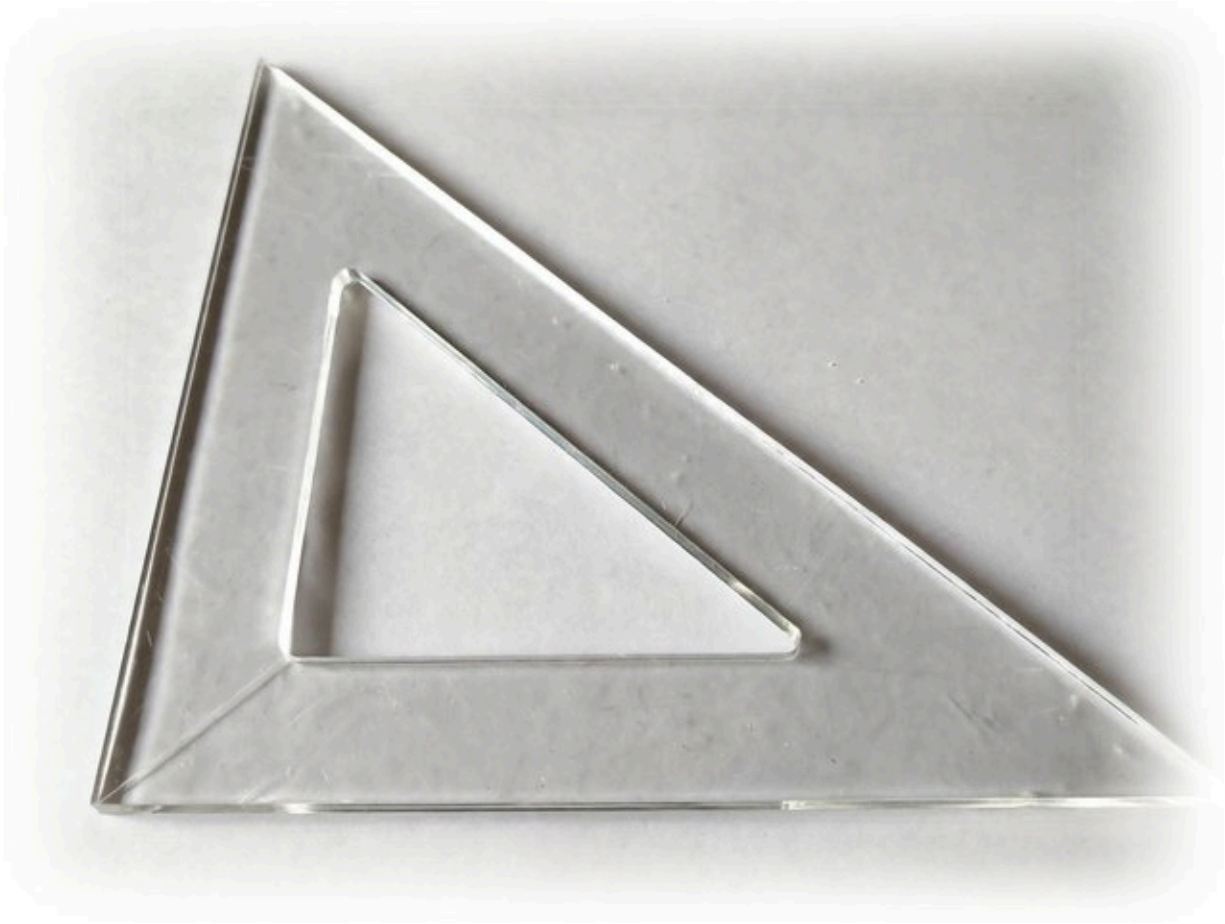
B -3

C $\frac{1}{3}$

D 0

Understand It with Pulse | Flag a mistake

2 **A line perpendicular to a line of slope 2 has slope**



- **A** 2
- **B** -1/2
- **C** $\frac{1}{2}$
- **D** -2

Understand It with Pulse | Flag a mistake

3 **A phone plan costs 20 dollars per month plus 0.5 dollars per minute. For 100 minutes, the cost is, in dollars**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **If y = 2x + 3 , then when x = 4 , y is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **Solve the system y = 2x + 1 and y = 3 . The value of x is**

ANSWER _____

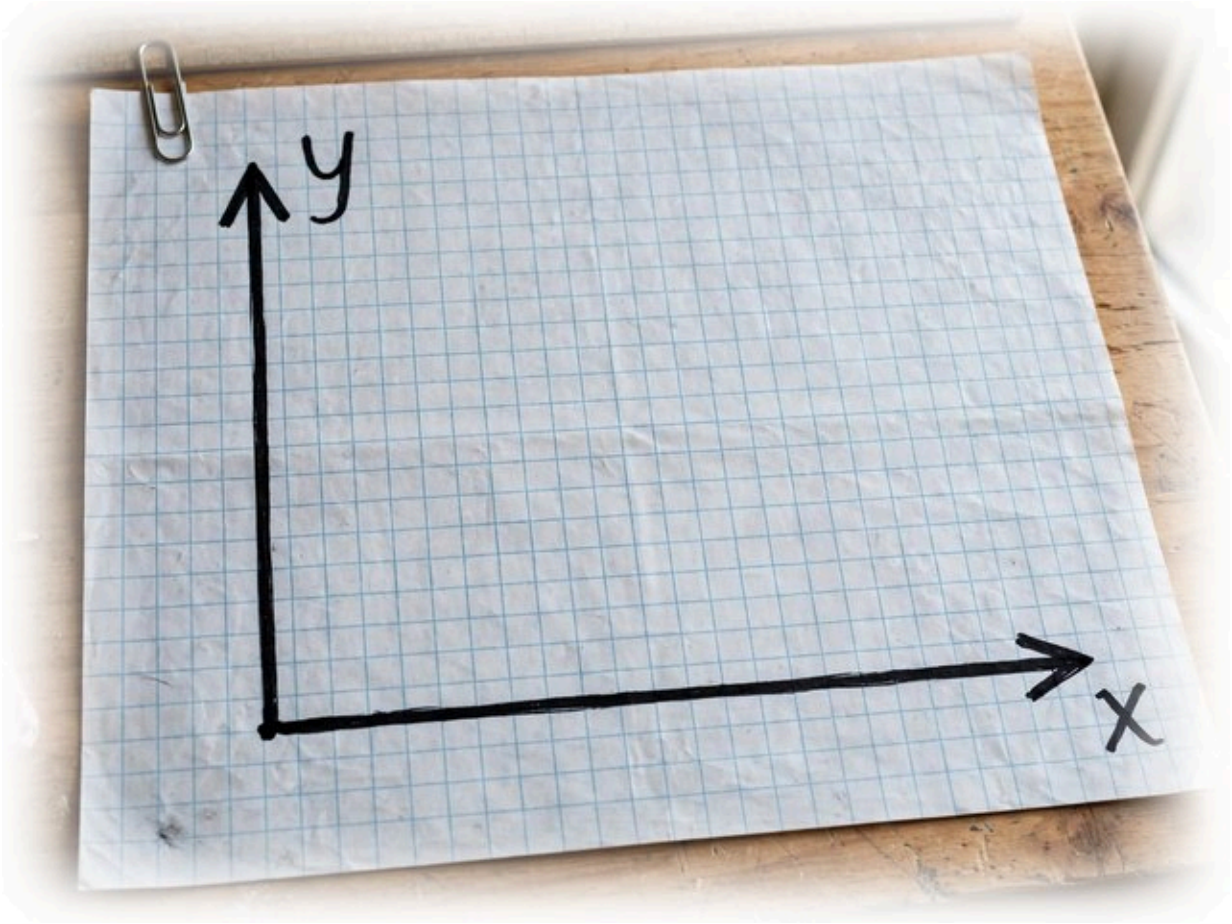
Understand It with Pulse | Flag a mistake

6 **Solve the system x + y = 3 and x - y = 6 . The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **The equation of the line with slope 2 through (1, 3) is**



A y = 2x + 1

B y = 2x + 3

C y = 2x

D y = 2x + 4

Understand It with Pulse | Flag a mistake

8 **The slope of the line through (0, 1) and (4, 9) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **A business has fixed costs of 200 dollars and sells items at 50 dollars each. The break even number of items is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **If y = 2x - 6 , then the x intercept is, as a value of x**

ANSWER _____

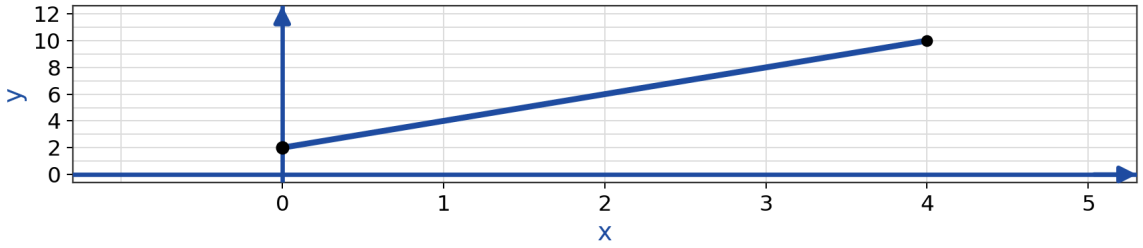
Understand It with Pulse | Flag a mistake

11 **If y = 3x - 4 , then the x intercept is, as a value of x , to two decimal places**

ANSWER _____

Understand It with Pulse | Flag a mistake

12 The graph shows a line through (0, 2) and (4, 10) . Its slope is



A 2

B 4

C 8

D 1

Understand It with Pulse

Flag a mistake

13 **A line parallel to a line of slope -2 has slope**



A 2

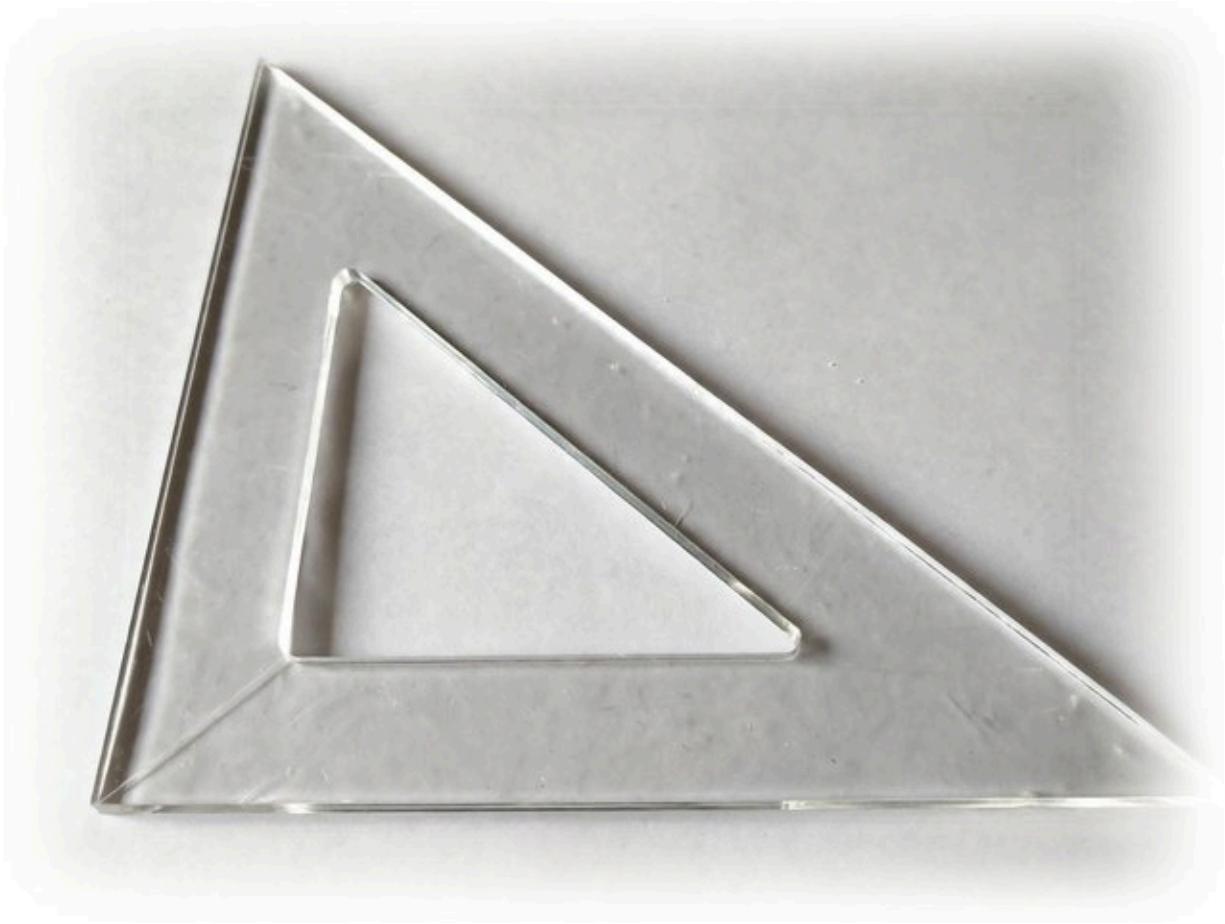
B -2

C -1/2

D 0

Understand It with Pulse | Flag a mistake

14 **A line perpendicular to a line of slope 4 has slope**



A 4

B -1/4

C $\frac{1}{4}$

D -4

Understand It with Pulse | Flag a mistake

15 **A phone plan costs 15 dollars per month plus 0.25 dollars per minute. For 200 minutes, the cost is, in dollars**

ANSWER _____

Understand It with Pulse | Flag a mistake

16 **If y = 3x - 1 , then when x = 5 , y is**

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **Solve the system y = 5x + 1 and y = 1 . The value of x is**

ANSWER _____

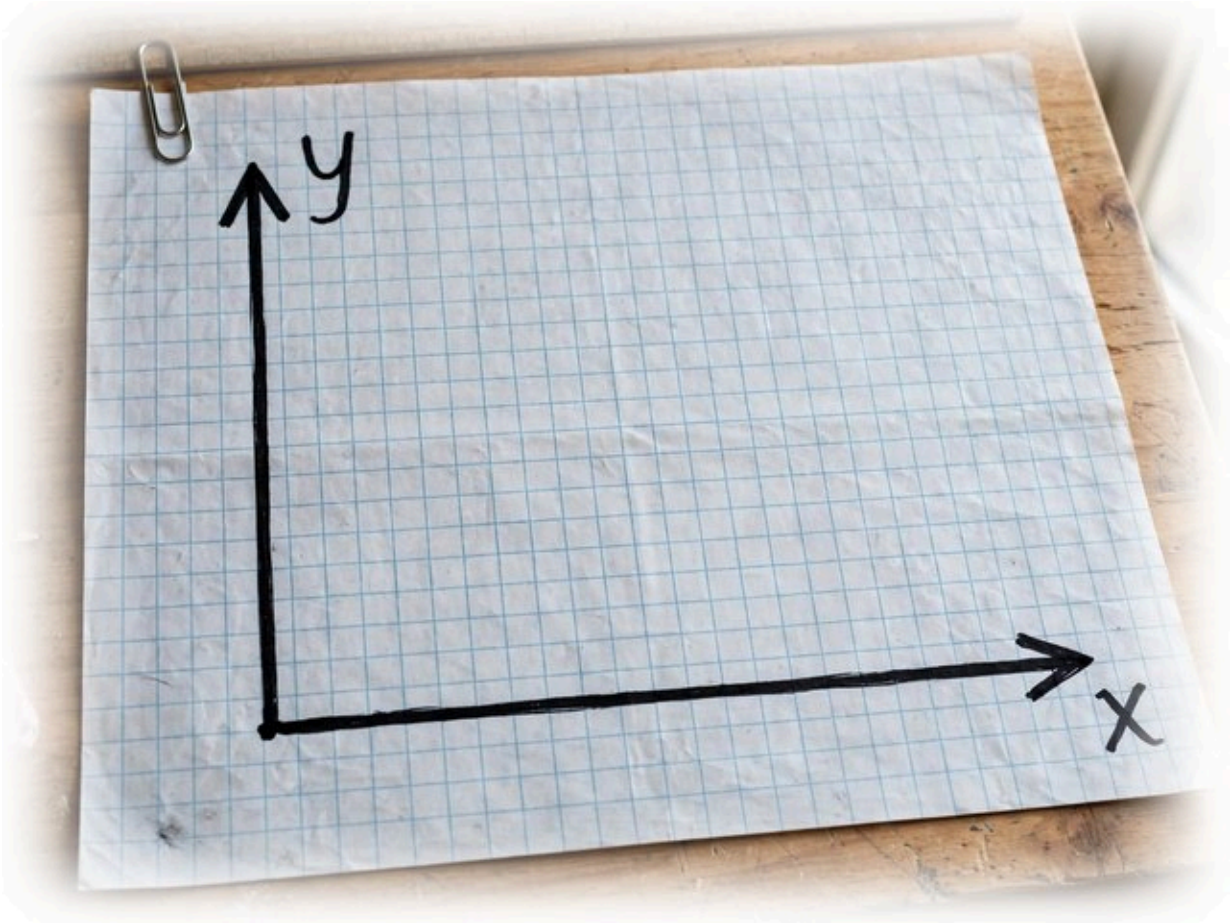
Understand It with Pulse | Flag a mistake

18 **Solve the system x + y = 2 and x - y = 8 . The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

19 **The equation of the line with slope 3 through (2, 1) is**



A y = 3x - 5

B y = 3x + 1

C y = 3x

D y = 3x + 3

Understand It with Pulse | Flag a mistake

20 The slope of the line through (1, 2) and (5, 14) is

ANSWER _____

Understand It with Pulse | Flag a mistake

21 A line parallel to a line of slope 5 has slope

A -5

B $\frac{1}{5}$

C 5

D 0

Understand It with Pulse | Flag a mistake

22 **A line perpendicular to a line of slope 3 has slope**

- **A** 3
- **B** $\frac{1}{3}$
- **C** -1/3
- **D** -3

Understand It with Pulse | Flag a mistake

23 **A phone plan costs 30 dollars per month plus 0.1 dollars per minute. For 150 minutes, the cost is, in dollars**

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **If y = -2x + 7 , then when x = 3 , y is**

ANSWER _____

Understand It with Pulse | Flag a mistake

25 **Solve the system y = 4x + 1 and y = 2 . The value of x is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	A	**10.**	3	**19.**	A
2.	B	**11.**	1.33	**20.**	3
3.	70	**12.**	A	**21.**	C
4.	11	**13.**	B	**22.**	C
5.	1	**14.**	B	**23.**	45
6.	4.5	**15.**	65	**24.**	1
7.	A	**16.**	14	**25.**	0.25
8.	2	**17.**	0		
9.	4	**18.**	5		

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