NOVA SCOTIA MATHEMATICS AT WORK 12 · 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 **Find the slope of the line through (0, 2) and (4, 10).**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **Find the slope of the line through (0, 1) and (5, 11).**

ANSWER _____

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3 **Find the slope of the line through (0, 3) and (3, 12).**

ANSWER _____

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4 **Find the slope of the line through (1, 4) and (5, 16).**

ANSWER _____

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5 **Find the slope of the line through (0, 0) and (4, 12).**

ANSWER _____

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6 **Find the slope of the line through (2, 5) and (6, 17).**

ANSWER _____

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7 **Find the slope of the line through (0, 4) and (2, 10).**

ANSWER _____

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8 **Find the slope of the line through (1, 2) and (6, 22).**

ANSWER _____

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9 **Find the slope of the line through (0, 5) and (5, 20).**

ANSWER _____

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10 **Find the slope of the line through (3, 7) and (7, 23).**

ANSWER _____

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11 **Find the slope of the line through (0, 2) and (6, 14).**

ANSWER _____

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12 **Find the slope of the line through (2, 3) and (5, 15).**

ANSWER _____

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13 **Find the slope of the line through (0, 6) and (4, 18).**

ANSWER _____

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14 **Find the slope of the line through (1, 5) and (4, 17).**

ANSWER _____

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15 **The slope of a line measures**

A how steep the line is

B where it crosses the y axis

C its length

D its colour

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16 **A line with a positive slope**

A falls from left to right

B rises from left to right

C is horizontal

D is vertical

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17 **A line with a negative slope**

A rises from left to right

B is horizontal

C falls from left to right

D is vertical

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18 **A horizontal line has slope**

A 1

B undefined

C -1

D 0

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19 **A vertical line has slope**

A undefined

B 0

C 1

D -1

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20 **In y = m x + b , m stands for**

- A y intercept
- B slope
- C x intercept
- D area

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21 **In y = m x + b , b stands for**

- A slope
- B x intercept
- C y intercept
- D rate

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22 **The y intercept is the point where a line crosses**

A the x axis

B the origin only

C another line

D the y axis

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23 **The slope between two points is**

A rise over run

B run over rise

C rise + run

D rise × run

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24 **Two lines are parallel if they have**

A different slopes

B the same slope

C the same intercept

D no slope

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25 **A linear relationship has a**

A changing rate

B curved graph

C constant rate of change

D circle graph

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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