

*للحصول على أوراق عمل لجميع الصفوف وجميع المواد اضغط هنا

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* للحصول على أوراق عمل لجميع مواد الصف الثامن اضغط هنا * 8/ae/com.almanahj//:https

* للحصول على جميع أوراق الصف الثامن في مادة رياضيات ولجميع الفصول, اضغط هنا هيا المادة المادة والمادة المادة الما

* للحصول على أوراق عمل لجميع مواد الصف الثامن في مادة رياضيات الخاصة بـ الفصل الأول اضغط هنا

https://almanahj.com/ae/8math1

* لتحميل كتب جميع المواد في جميع الفصول للـ الصف الثامن اضغط هنا

للتحدث إلى بوت المناهج على تلغرام: اضغط هنا bot_almanahj/me.t//:https

Student	Class	Doto	
Name	Class	Date	

Multiple Choice: CALCULATOR NOT ALLOWED

	Α_	(1) is a symbol used to represent unspecified numbers or values. Along with a number		
	or a product or quotient of numbers, it can be found in a(2) of an(3)			
		(1) variable		
	Α	(2) product		
		(3) exponent		
		(1) factor		
1	В	(2) product		
-		(3) exponent		
		(1) variable		
	С	(2) term		
		(3) expression		
		(1) factor		
	D	(2) term		
		(3) expression		

	Sim	plify the expression.
		$62 - 3^2 \cdot 8 + 11$
3	A	-109
	В	-21
	С	1
	D	435

	Eva	sluate $a(4b + c^2)$ if $a = -2$, $b = 5$, and $c = -11$.
	A	-282
4	В	-84
	С	4
	D	136

	The	of a term is the numerical factor.
	A	reciprocal
5	В	coefficient
	С	product
	D	base

Use the Distributive Property to rewrite and simplify the expression. $16a^2-2b(7b+3)-2a^2$ $A 18a^2-8b$ $B 14a^2-14b^2+6b$ $C 18a^2-20b$ $D 14a^2-14b^2-6b$

	Wh	What is the solution of the equation?	
		9t - 4 + 1 = -3(t + 1 - 4t)	
7	Α	identity	
/	В	no solution	
	С	$-\frac{1}{3}$	
	D	0	

Which correctly shows the relation represented by the table using ordered pairs?

X	У
-4	6
1	3
2	4
3	5
3	8

8

9

10

	Α	$\{(5, 3), (6, -4), (8, 3), (4, 2), (3, -4), (3, -4), (3, -4), (3, -4), (3, -4), (3, -4), (4, 2), (3, -4), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4, 2), (4,$	1)}
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The variable with a value that determines the output of a relation is called the ___(1)__ variable. The domain contains values of this variable, whereas the range contains the values of the __(2)__ variable.

A	(1) dependent
	(2) independen
	(1) unknown

B (2) known

(1) independent

(2) dependent

(1) known (2) unknown

Let the domain of f(x) = -1.5x + 4 be $\{1, 2, 3, 4\}$. What is the range?

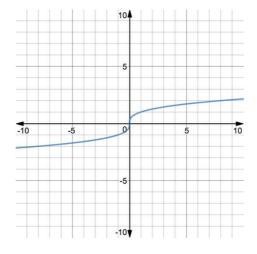
Α	{-2,	-0.5,	1,	2.5}
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B {-2.5, -1, 0.5, 2}

C {-2, -1, -0.5, 2.5}

D {-2.5, -0.5, 1, 2}

Ahmed used the vertical line test and concluded that the partial graph shown below represents a function. Is he correct? Why or why not?



A No; the line will intersect the graph at one point.

11

B Yes; the line will intersect the graph at one point.

No; the line will intersect the graph in more than one point.

Yes; the line will intersect the graph in more than one point.

A function is ___(1) __ where its graph lies above the x-axis and ___(2) __ where the graph lies below the x-axis.

A (1) increasing (2) decreasing (2) decreasing (2) positive (2) positive (2) increasing (2) increasing (1) positive (2) negative (2) negative

Constructed Response: CALCULATOR ALLOWED

		$3^{2} + \left[(12 - 2 \cdot 7) - \frac{11 + 5}{4} \right]$ $9 + \left[(10 \cdot 7) - \frac{16}{4} \right]$ $9 + (70 - 4)$ $9 + 66$	
		75	
13	a)	What mistake did the student make in simplifying the expression above? (/1 mark)	
	b)	What is the correct, simplified form of the expression? (/1 mark)	

For the steps shown below, use the word bank below to name the property used to justify each step.

Word Bank

15

Additive Identity
Additive Inverse
Multiplicative Identity
Multiplicative Property of Zero
Multiplicative Inverse
Substitution Property

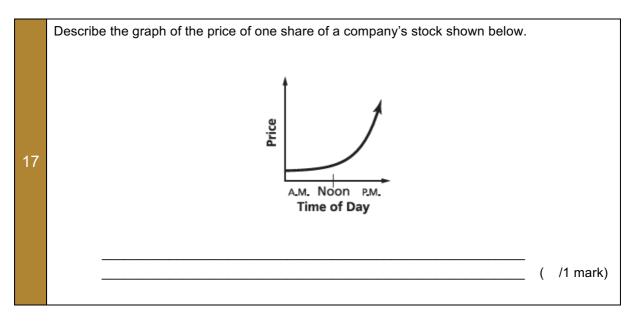
Simplify the expression. If it is not possible, write simplified. $-4p + 3n + 11m \tag{$/1$ mark)}$

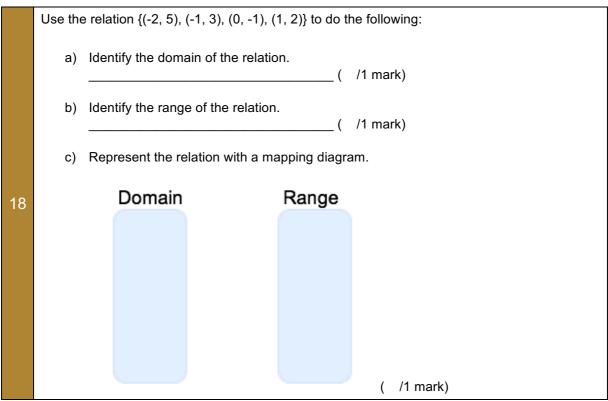
Aisha is typing an average of 40 words per minute.

a) Write an equation to find the time, in minutes, it will take her to type 1000 words.

Solve the equation.

(/1 mark)





Multiple Choice	/12
Constructed Response	/13
Total Marks	/25
Percentage	/100%

Grade	8	Lesson(s)	Lesson 1-1: Variables and Expressions	
			Lesson 1-2: Order of Operations	
			Lesson 1-3: Properties of Numbers	
			Lesson 1-4: The Distributive Property	
			Lesson 1-5: Equations	
			Lesson 1-6: Relations	
			Lesson 1-7: Functions	
			Lesson 1-8: Interpreting Graphs of Functions	

Answer Key

Multiple Choice

Q1	С
Q2	D
Q3	С
Q4	Α
Q5	В
Q6	D
Q7	Α
Q8	С
Q9	С
Q10	Α
Q11	В
Q12	D

Constructed Response

a) The student subtracted 2 from 12 before multiplying 2 by 7.

b)

13

$$3^{2} + \left[(12 - 2 \cdot 7) - \frac{11+5}{4} \right]$$

$$9 + \left[(12 - 14) - \frac{16}{4} \right]$$

$$9 + (-2 - 4)$$

$$9 + (-6)$$

$$3$$

2 marks

- (1) Multiplicative Inverse
- (2) Additive Inverse
- (3) Substitution Property
- (4) Additive Identity

4 marks

15 simplified

1 mark

a)
$$40x = 1000 \text{ or } x = \frac{1000}{40}$$

16

14

b) 25 minutes (not awarding marks for the unit)

2 marks

The price increased more in the afternoon than in the morning.

OR

The stock is positive and increasing over time.

ΩR

17 li

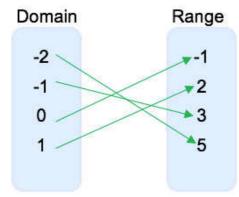
In the morning, the price was almost constant until noon. Then there was a rapid increase from noon to the evening.

(Please use your professional judgment to make sure the student's response coincides with the graph.)

1 mark

a) domain: {-2, -1, 0, 1}

b) range: {-1, 2, 3, 5}



18

c)

Please note that if the student maps a value in the domain to the correct value in the range without placing them in ascending order, the mark should be awarded.

3 marks