

PS 89 Dr Lydia T Wright School Of Excellence

MATH GRADE 7: MAE7G 1 MATH GRADE 7

# GRADE 7 MATH WORKOUT SET 1

Instructor: ALFRED KANYURU

Name: \_\_\_\_\_

Score:  / 100

Question 1

/1

Simplify the following expression  $2(x + 16) + 3(2x + 5)$

$7x + 21$

$5 + 3x + 21$

$8x + 37$

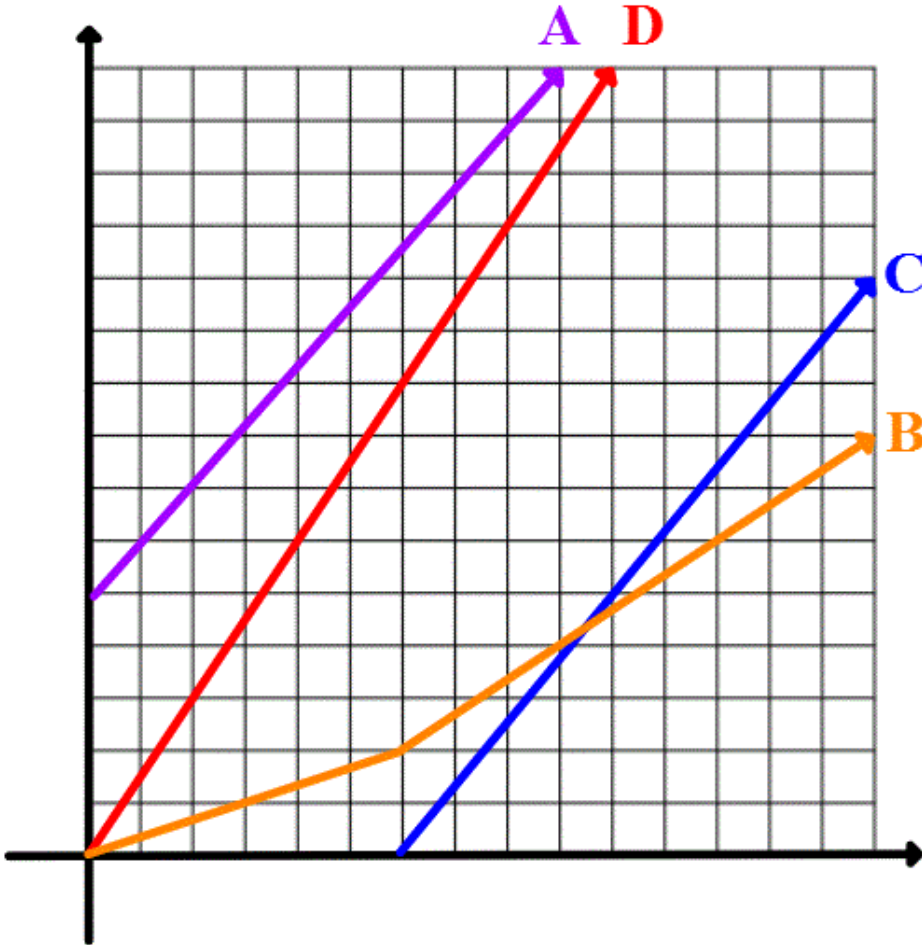
$8x + 47$

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Question 2

/1

Use the diagram below to answer the question.



Which of the following functions graphed on the coordinate plane above represent a proportional relationship

- Function A
- Function B
- Function C
- Function D

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Question 3

/1

A dolphin dove 55 feet below the surface of the ocean. Then he rose 22 feet to feed. Which expression describes this situation?

- $-55 + 22$
- $55 + -22$
- $-55 - 22$
- $55 - (-22)$

Question 4

/1

The difference between  $-7xy$  and  $-9xy$  is

- $-16xy$
- $-16$
- $2xy$
- $-12xy$

Question 5

/1

Which is the value of the variable in the equation  $7k = 56$ ?

- 392
- 119
- 63
- 8

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Question 6

/1

What value of  $n$  makes the equation below true?

$$n - 4.6 = 2.98.$$

$n = -7.58$

$n = 8.58$

$n = -1.62$

$n = 7.58$

Question 7

/1

If  $3h = 12$ , then what is the value of  $4(10 - h)$ ?

24

-8

-108

$x = 3.5$

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Question 8

/1

Which student below solved the equation correctly for  $x$ ? Explain.

**Adalyn**

**Lydia**

$5x = 70$ $\frac{5x}{5} = \frac{70}{5}$ $x = 14$	$5x = 70$ $5 \cdot 5x = 5 \cdot 70$ $x = 350$
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Name: \_\_\_\_\_

Question 9

/1

Solve for  $x$ :  $x + 5.7 = 8.2$

$x = 2$

$x = 2.5$

$x = 3$

$x = 3.5$

Question 10

/1

A. Find the value of  $n$  in the following equation:  $n - 32 = 7$

B.

Find the solution of  $21 = 9 + q$

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