



# EBHS KIKHANZA HOMESCHOOLING BOGOR

"More Knowledgeable, Creative, and Independent"

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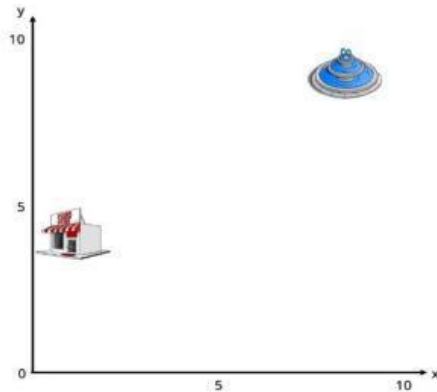
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Name : \_\_\_\_\_ Grade : \_\_\_\_\_  
Subject: \_\_\_\_\_ Teacher : \_\_\_\_\_

## FINAL EXAM Maths ACADEMIC YEAR 2025/2026 June, 2026

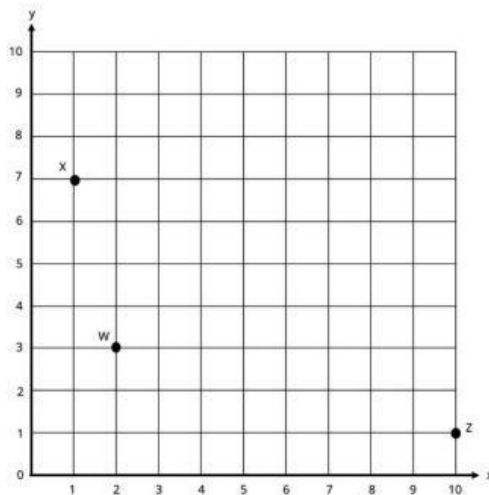
Follow the instructions below!

1. Here are some landmarks in a park shown on a grid.



The estimated coordinates of the shop and the fountain are \_\_\_\_\_  
and \_\_\_\_\_ respectively.

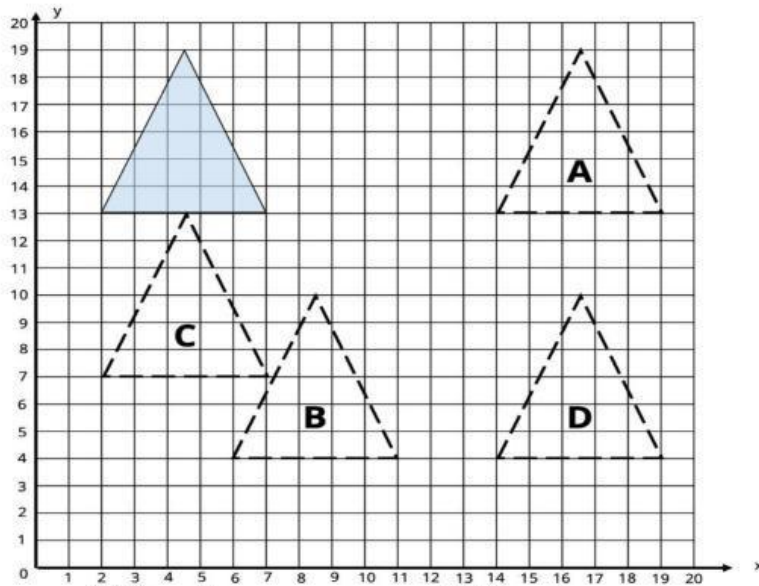
- (A) (1,4) and (9,5)                      (B) (1,4) and (9,9)  
(C) (9,9) and (1,4)                      (D) (4,1) and (9,9)
2. Look at the three points plotted on the coordinate grid below.



What are the coordinates of the point Y such that the points WXYZ form a parallelogram?

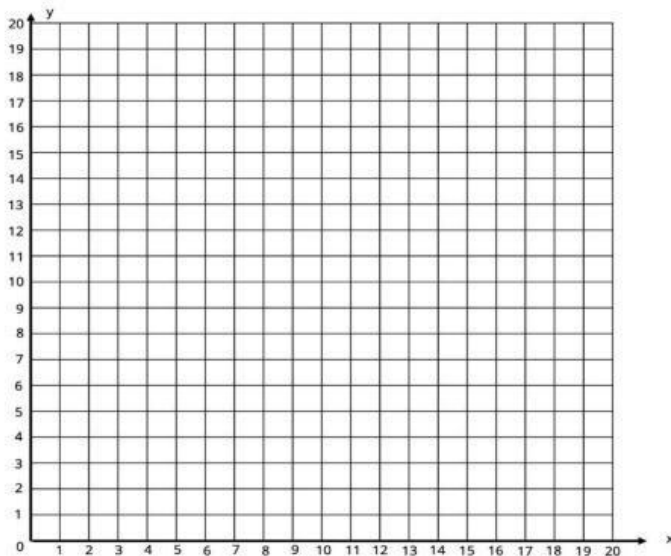
- (A) (5,4)                      (B) (9,5)  
 (C) (5,9)                      (D) (10,7)

3. Chris translates the triangle 12 units to the right, 9 units down and 8 units left. Which shape represents where the triangle will end up after translating?

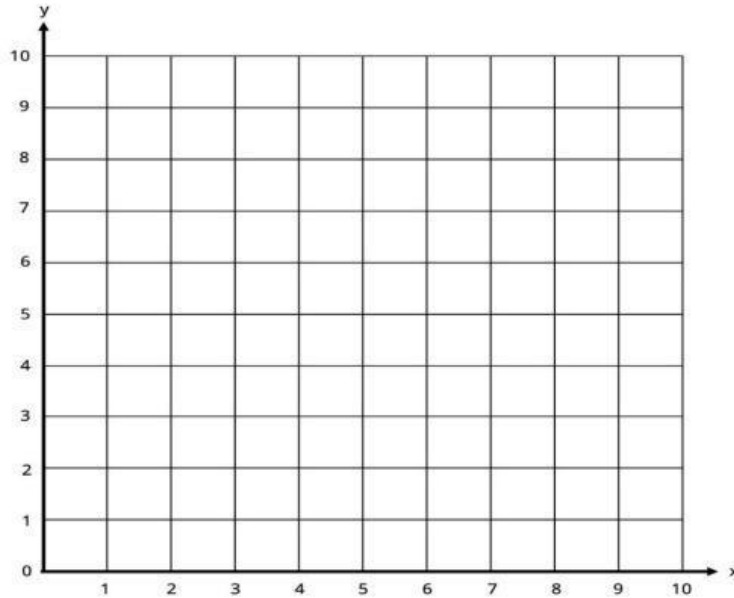


- (A) Shape A                      (B) Shape B  
 (C) Shape C                      (D) Shape D

Use the coordinate grid to answer questions 4-8



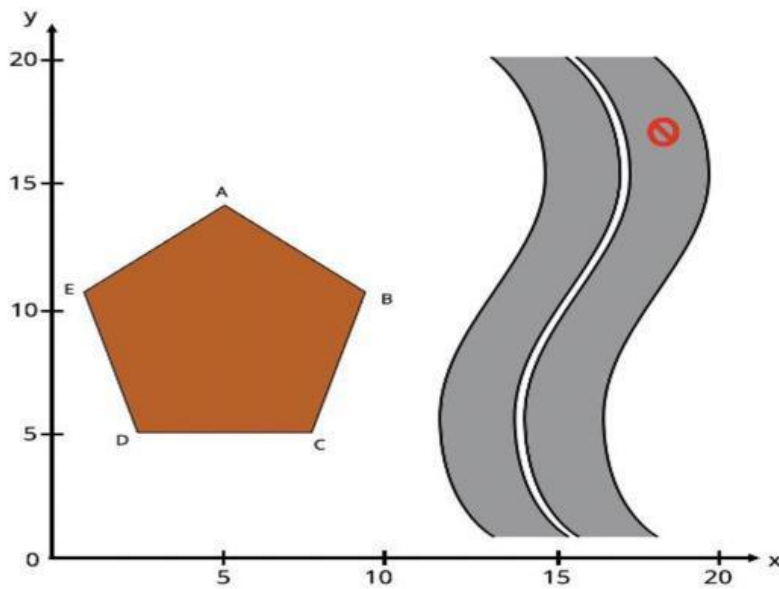
4. Plot the following points on the coordinate grid.  
A: (2,1) B: (2,7) C: (7,5) D: (7,3)  
P: (9,19) Q: (6,16) S: (12,16) T: (11,18)
5. (a) Draw lines to form the shapes ABCD and PQS.  
(b) What are the shapes formed?  
ABCD: \_\_\_\_\_  
PQS: \_\_\_\_\_
6. Tim wants to add a point R on the coordinate grid to form the rhombus PQRS. Plot this point R on the coordinate grid and draw lines to complete rhombus PQRS.
7. Using the shapes in Question 1-3, draw on the coordinate grid to show where each shape will be after translating them.  
(a) Translate shape ABCD 13 units to the right and 12 units up. Label A'B'C'D'.  
(b) Translate shape PQRS 3 units to the left and 5 units down. Label P'Q'R'S'.
8. Write the coordinates of all the new vertices of each shape after translation.  
(a) Shape ABCD: (\_\_\_\_,\_\_\_\_), (\_\_\_\_,\_\_\_\_), (\_\_\_\_,\_\_\_\_), (\_\_\_\_,\_\_\_\_)  
(b) Shape PQRS: (\_\_\_\_,\_\_\_\_), (\_\_\_\_,\_\_\_\_), (\_\_\_\_,\_\_\_\_), (\_\_\_\_,\_\_\_\_)
9. Sherry draws a shape on a coordinate grid. Then she translates the shape 5 units to the right and 2 units up. The coordinates of the translated shape are (7,5), (9,9) and (10,7).  
Find the coordinates of the vertices of the original shape.  
Draw the original and translated shapes in the coordinate grid below.



Coordinates of the original shape:

(\_\_\_\_\_, \_\_\_\_\_), (\_\_\_\_\_, \_\_\_\_\_), (\_\_\_\_\_, \_\_\_\_\_)

10. A park is represented on a coordinate grid below. A dog stands in the middle of a field marked by the shape ABCDE. Next to the field is a windy grey footpath that visitors cycle on. Use the coordinate grid to answer the following questions.



Estimate the coordinates of the points A, B, C, D, E, the point marked with



and where the dog is standing.

A: (\_\_\_\_, \_\_\_\_)

B: (\_\_\_\_, \_\_\_\_)

C: (\_\_\_\_, \_\_\_\_)

D: (\_\_\_\_, \_\_\_\_)

E: (\_\_\_\_, \_\_\_\_)



: (\_\_\_\_, \_\_\_\_)