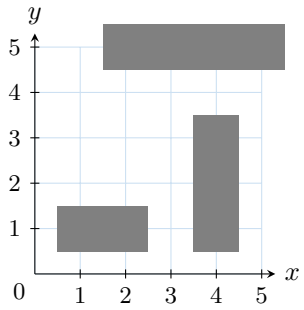
COORDINATE GEOMETRY

A COORDINATE PLANE

A.1 TARGETING SHIPS WITH COORDINATES

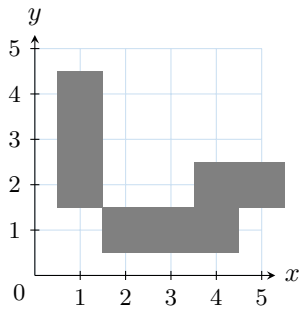
MCQ 1: In Battleship, you guess points on a grid to find ships, shown as gray rectangles. Player 1 guesses the point $(2, 3)$. Check the grid below. Is $(2, 3)$ on a ship?



☐ Hit

☐ Miss

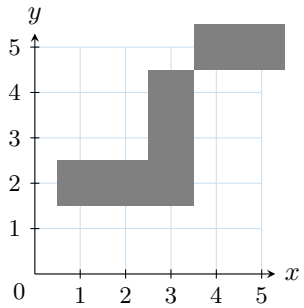
MCQ 2: In Battleship, you guess points on a grid to find ships, shown as gray rectangles. Player 1 guesses the point $(4, 2)$. Check the grid below. Is $(4, 2)$ on a ship?



☐ Hit

☐ Miss

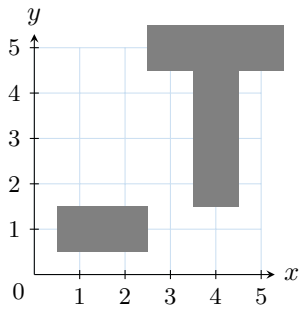
MCQ 3: In Battleship, you guess points on a grid to find ships, shown as gray rectangles. Player 1 guesses the point $(3, 4)$. Check the grid below. Is $(3, 4)$ on a ship?



☐ Hit

☐ Miss

MCQ 4: In Battleship, you guess points on a grid to find ships, shown as gray rectangles. Player 1 guesses the point $(2, 2)$. Check the grid below. Is $(2, 2)$ on a ship?



☐ Hit

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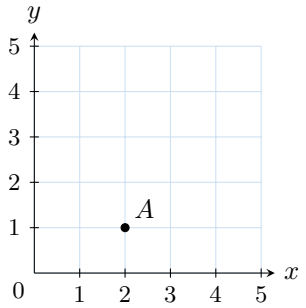
A.2 FINDING THE COORDINATES OF A POINT

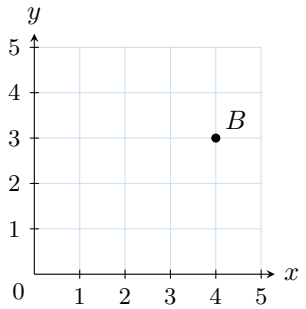
Ex 5:



Find the coordinates of the point:

$A($ ☐ , ☐ $)$

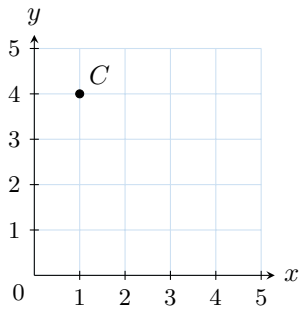
Ex 6:



Find the coordinates of the point:

$B($ ☐ , ☐ $)$

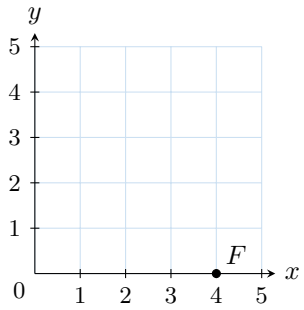
Ex 7:



Find the coordinates of the point:

$C(\square,\square)$

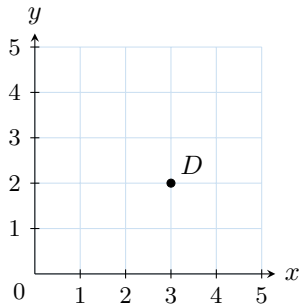
Ex 8:



Find the coordinates of the point:

$F(\square,\square)$

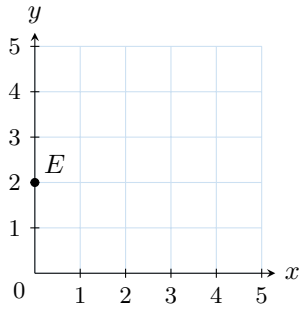
Ex 9:



Find the coordinates of the point:

$D(\square,\square)$

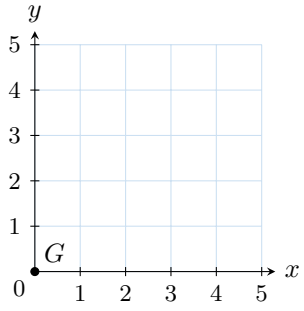
Ex 10:



Find the coordinates of the point:

$E(\square,\square)$

Ex 11:



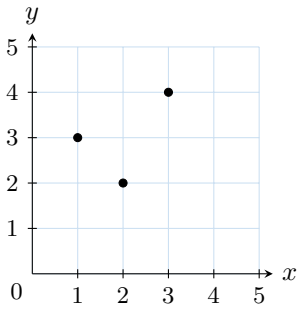
Find the coordinates of the point:

$G(\square,\square)$

B TABLE OF POINTS

B.1 FILLING A TABLE OF POINTS

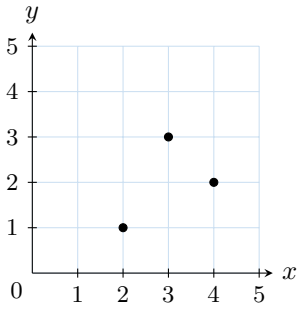
Ex 12: From this coordinate plane,



fill in the table of points:

x	1	2	3
y			

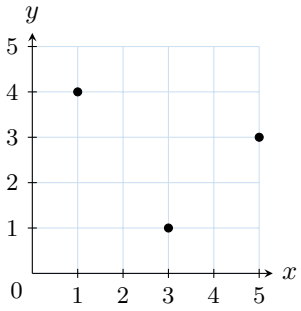
Ex 13: From this coordinate plane,



fill in the table of points:

x	2	3	4
y			

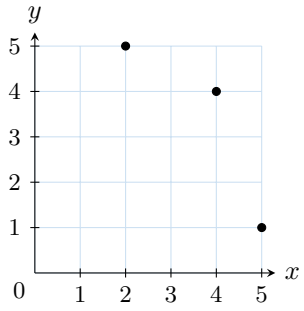
Ex 14: From this coordinate plane,



fill in the table of points:

x	1	3	5
y			

Ex 15: From this coordinate plane,



fill in the table of points:

x	2	4	5
y			

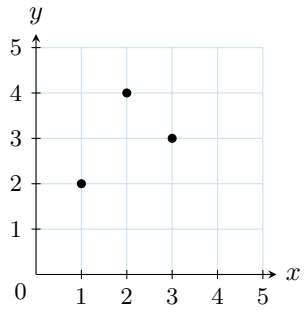
B.2 MATCHING TABLES AND GRAPHS

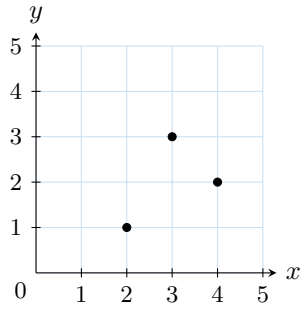
MCQ 16: Based on this table of points:

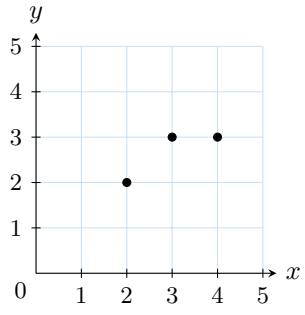
x	2	3	4
y	1	3	2

Which graph correctly plots these points?

Choose the correct answer:

□ 

□ 

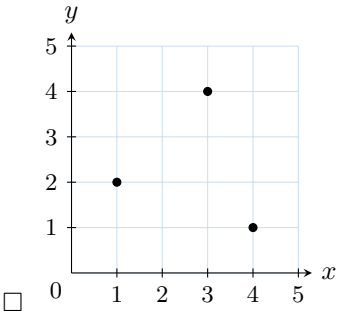
□ 

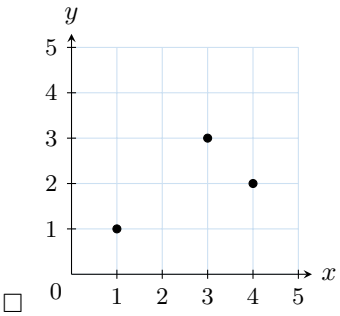
MCQ 17: Based on this table of points:

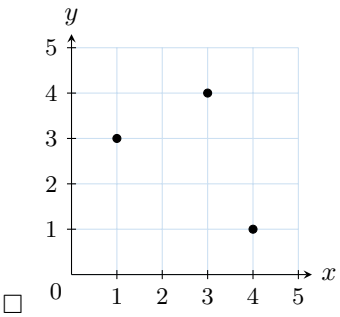
x	1	3	4
y	2	4	1

Which graph correctly plots these points?

Choose the correct answer:

□ 

□ 

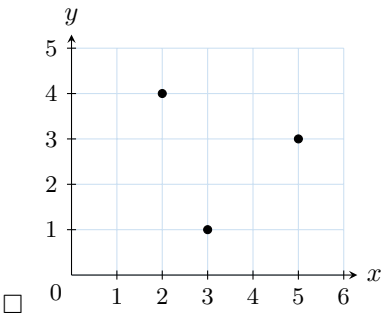
□ 

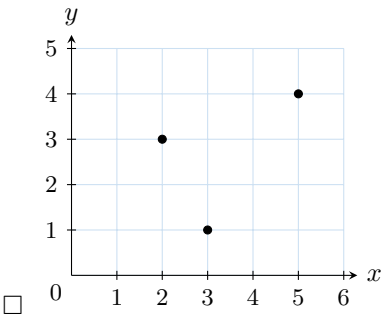
MCQ 18: Based on this table of points:

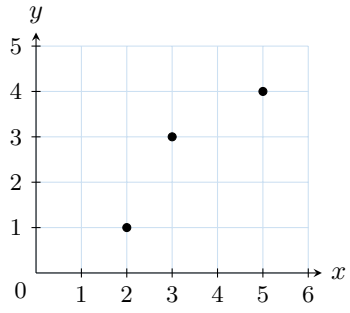
x	2	3	5
y	3	1	4

Which graph correctly plots these points?

Choose the correct answer:

□ 

□ 



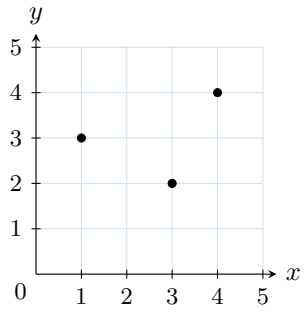
□

MCQ 19: Based on this table of points:

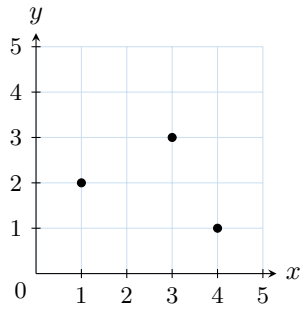
x	1	3	4
y	3	2	4

Which graph correctly plots these points?

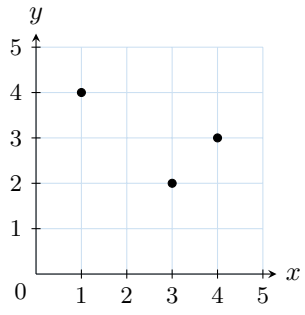
Choose the correct answer:



□



□



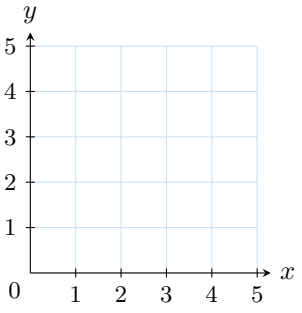
□

B.3 PLOTTING POINTS FROM A TABLE

Ex 20:

x	2	3	4
y	1	3	2

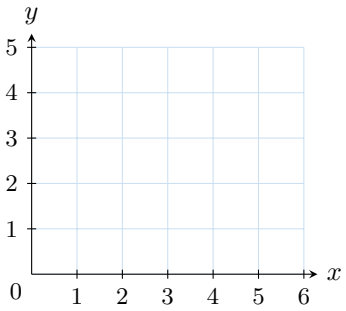
Plot these points



Ex 21:

x	1	2	3	5
y	4	1	3	2

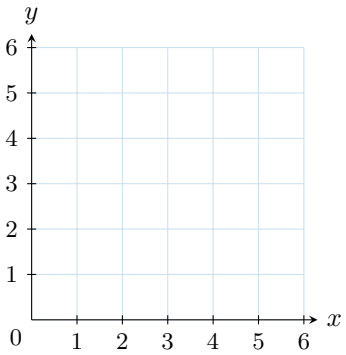
Plot these points



Ex 22:

x	2	3	4	5
y	5	2	4	3

Plot these points



Ex 23:

x	1	2	3	4	5
y	3	5	2	4	1

Plot these points