

INDIAN SCHOOL AL WADI AL KABIR
Class : IX, Mathematics (2025-2026)

BRIDGE COURSE WORKSHEET-6

TOPICS: COORDINATE GEOMETRY, QUADRILATERALS,
STATISTICS & PROBABILITY

Roll No.:

Date:

Name:

Section:

Q.1.

Locate the points (5,0), (0,5), (2,5), (5,2), (-3,5), (-3, -5), (5, -3) and (6,1) in the cartesian plane.

Q.2.

Construct a histogram for the following data:

Monthly School Fee(in Rs)	30-60	60-90	90-120	120-150	150-180	180-210	210-240
No. of Schools	5	12	14	18	10	9	4

Q.3.

- (i) What is the perpendicular distance of the point C (5,3) from Y-axis?
(ii) Write a point whose abscissa is 6 and lies on X-axis.

Q.4.

- (i) What is the upper limit of the class interval 100 – 80?
(ii) What is the lower limit of the class interval 270- 295?

Q.5.

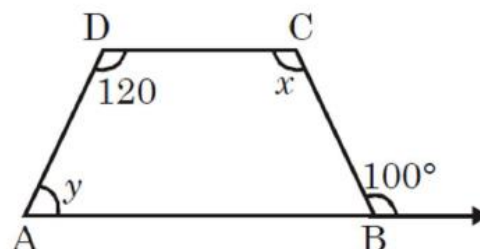
- In which quadrant or on which axis do each of these points lie?
a) (-3, 4) d) (-5, 0)
b) (2, -1) e) (1, 5)
c) (-4, -5)

Q.6.

- From a well shuffled deck of 52 playing cards, a card is selected at random. Find the probability of getting:
(i) a black card
(ii) a black king
(iii) an ace

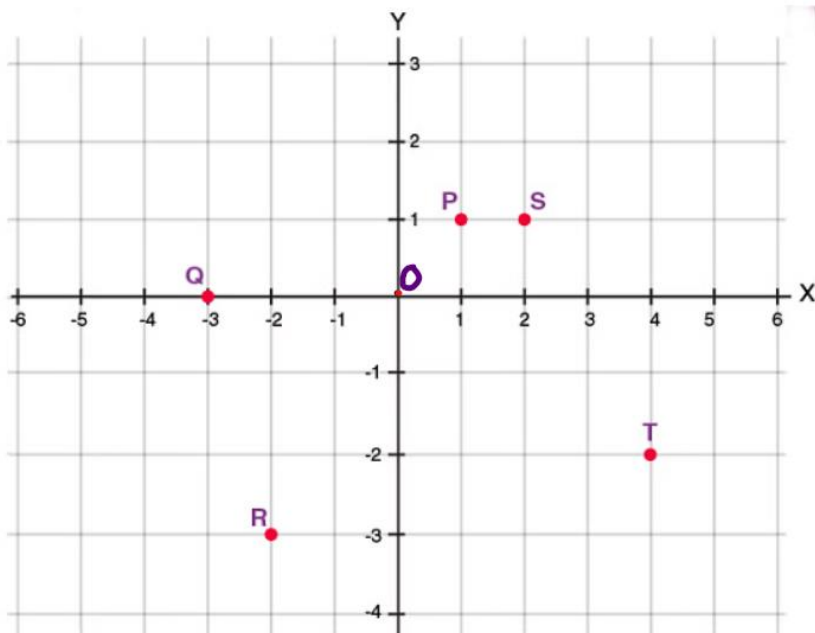
Q.7.

In the given figure, ABCD is a quadrilateral having $AB \parallel CD$. Find x.



Q.8.

Write the coordinates of each of the points P, Q, R, S, T and O from the below figure.



Q.9.

The angles of a quadrilateral are in the ratio 2:3:4:6. Find the measure of all the four angles.

Q.10.

The following histogram shows the number of literate females in the age group of 10 to 40 years in a town:

(i) Write the age group in which the number of literate females is the highest.

(ii) What is the class width?

(iii) What is the lowest frequency?

(iv) What are the class marks of the classes?

