

MATHEMATICS YEAR 5

UNIT 7 : COORDINATE

7.1 Coordinates in the first quadrant

7.1.1 Determine horizontal distance and vertical distance between two coordinates.

WATCH THE VIDEO. THEN, ANSWER THE QUESTIONS.

Question 1

What is the coordinate of origin?

A (1, 1)

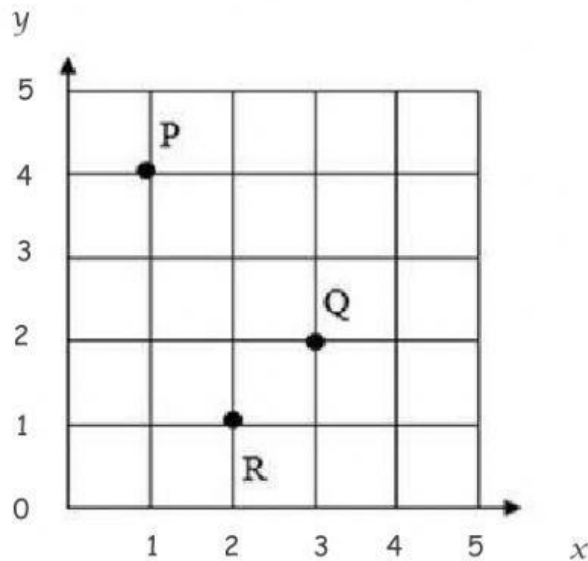
B (0, 0)

C (2, 3)

D (1, 1)

Question 2

Based on the Cartesian plane, answer the questions below.



- a) What is the horizontal distance of P from origin?
- | | | | |
|---|---------|---|---------|
| A | 0 unit | B | 1 unit |
| C | 2 units | D | 3 units |
- b) What is the vertical distance of Q from origin?
- | | | | |
|---|---------|---|---------|
| A | 0 unit | B | 1 unit |
| C | 2 units | D | 3 units |
- c) What is the vertical distance of Q from P?
- | | | | |
|---|---------|---|---------|
| A | 0 unit | B | 1 unit |
| C | 2 units | D | 3 units |

d) State the coordinate of point Q.

A (4, 2)

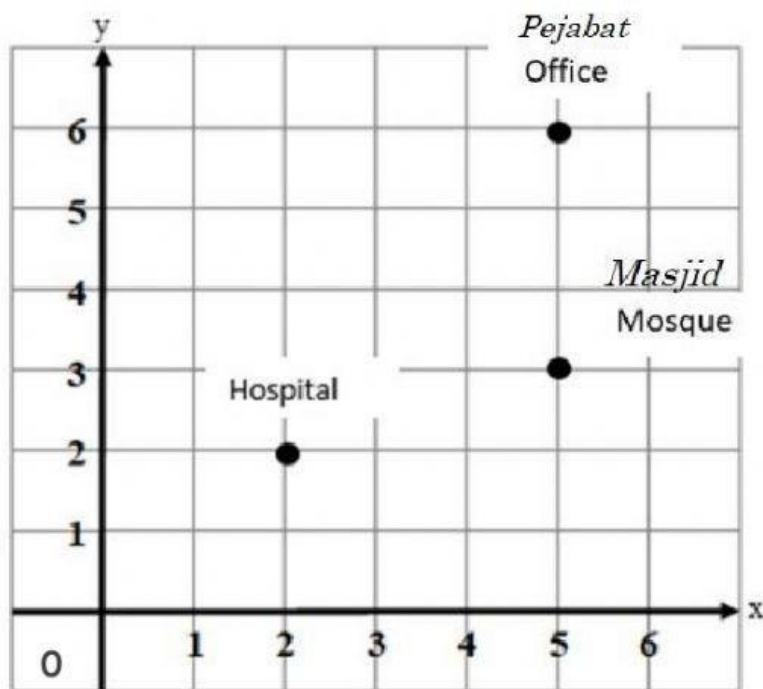
B (2, 3)

C (3, 2)

D (0, 1)

Question 3

The Cartesian plane below shows the location of three buildings. Answer the questions below based on the Cartesian plane.



a) Which building is located at (2, 2)?

A Office

B Hospital

C Mosque

D Origin

b) What is the vertical distance of Office from Hospital?

- | | | | |
|---|---------|---|---------|
| A | 1 unit | B | 2 units |
| C | 4 units | C | 3 units |

c) What is the horizontal distance of Mosque from origin?

- | | | | |
|---|---------|---|---------|
| A | 5 units | B | 1 unit |
| C | 3 units | D | 2 units |

d) What is the total distance of Mosque from Hospital?

- | | | | |
|---|---------|---|---------|
| A | 2 units | B | 4 units |
| C | 6 units | D | 8 units |

e) Which building is located 6 units vertically from x -axis?

- | | | | |
|---|----------|---|--------|
| A | Hospital | B | Office |
| C | Mosque | D | Origin |