

CHAPTER 5

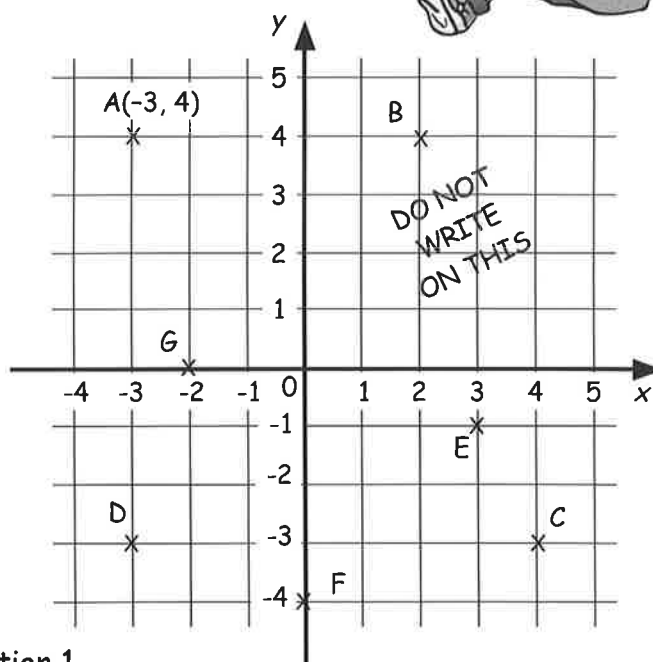


Exercise 1

Coordinates in 4 quadrants

1. Write down the coordinates of :-

- each point shown in the diagram.
- the point on the y axis.
- all the points with the same x coordinate.
- all the points with the same y coordinate.
- the point with the same x and y coordinates.
- the fourth vertex, P of the rectangle $DABP$.



2. a Copy the same axes grid from question 1.

b Plot the points $P(2, 3)$, $Q(4, 0)$, $R(2, -3)$, $S(-2, -3)$, $T(-4, 0)$.

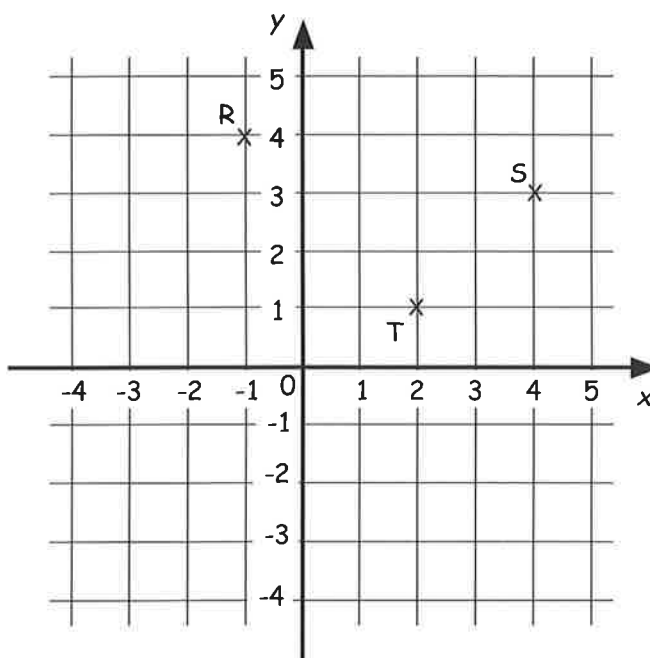
c Plot the point U , where $PQRSTU$ are the vertices of a hexagon.

3. Look at the diagram shown.

a Write down the coordinates of R , S and T .

b Reflect RST over the x -axis and write down the coordinates of $R'S'T'$.

c Reflect $R'S'T'$ over the y -axis and write down the coordinates of $R''S''T''$.



4. The vertices of a triangle reflected over the y -axis and then the x -axis are $A''(1, 5)$, $B''(7, 0)$ and $C''(2, 2)$.

State the coordinates of the original triangle ABC .

Revisit - Review - Revise Exercise 5

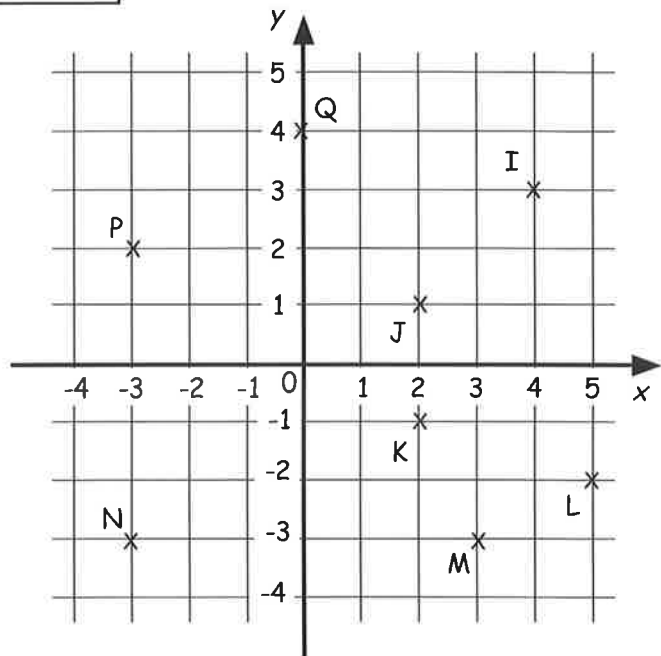
1. Write down all the coordinates :-

- a shown on the diagram.
- b that lie on either axes.
- c that have the same x and y coordinate.

2. PJSN are the vertices of a parallelogram.

State the coordinates of vertex S.

- a Copy the axes above.
- b Plot the points R(1, 3), S(-4, 2), T(-3, -2) and U(2, -4).
- c Draw a vertical line which cuts through (2,0).
- d Reflect RSTU over the dotted line.



Non-Calculator Ex 2



1. Round to the nearest 100 :-

a 7852	b 862 458.
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2. Write each of the numbers in question 1 using words.
3. Find :-

a 147×7	b 7628×8	c 165×20
d $1658 \div 2$	e $65085 \div 5$	f $116.76 \div 4.$
4. Find :-

a $\frac{1}{4}$ of 128 kg	b $\frac{2}{3}$ of £6900	c $\frac{13}{19}$ of 19000 km.
d 25% of 160 m	e 20% of £12	f 5% of 1200 kW.

5. Write down two equivalent fractions to :-

- a one half
- b three quarters.

6. A rectangle has length 15 cm and breadth 8 cm.

- a Find its perimeter.
- b Find its the area.

