





# COORDINATE GRID PACK

Name: \_\_\_\_\_

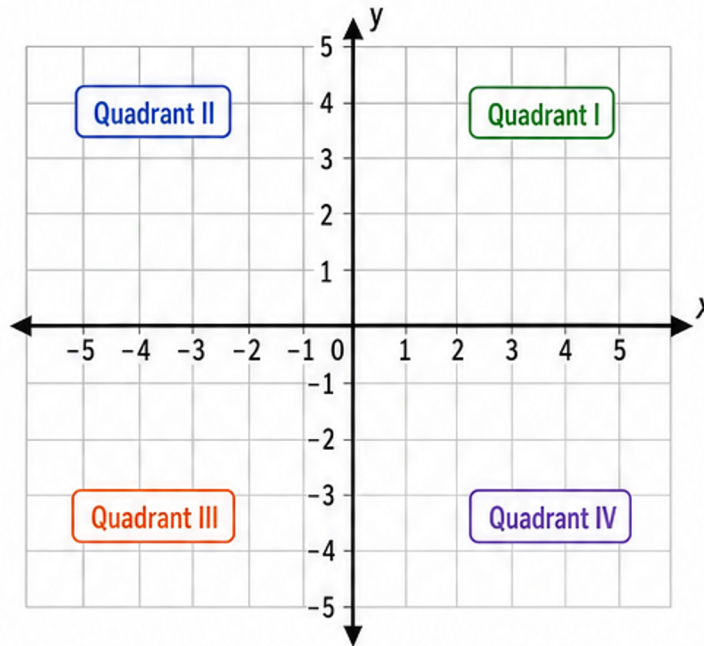
Date: \_\_\_\_\_

Class: \_\_\_\_\_

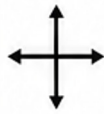




## 1. KEY IDEAS

- Coordinates show a point's position.
- Write as  $(x, y)$   
x first, then y. 
- Move right or left along the x-axis. 
- Move up or down along the y-axis. 
- The origin  $(0, 0)$  is where the axes cross. 

## 2. THE COORDINATE GRID



## 3. VOCABULARY

	<b>Axes</b> The x-axis is horizontal. The y-axis is vertical.
	<b>Origin</b> The point $(0, 0)$ .
	<b>Coordinate</b> An ordered pair $(x, y)$ .
	<b>Position</b> The location of a point on the grid.
	<b>Grid</b> The network of horizontal and vertical lines.

## 4. PLOT THE POINTS

Plot and label each point on the grid above.

<b>A</b>	$(2, 3)$	<b>D</b>	$(3, -3)$
<b>B</b>	$(-3, 4)$	<b>E</b>	$(0, 5)$
<b>C</b>	$(-4, -2)$	<b>F</b>	$(-2, 0)$

## 5. WRITE THE COORDINATES

Write the coordinates of each labelled point.

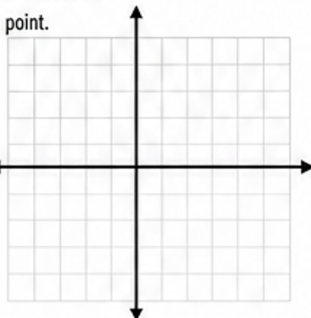
<b>A</b>	$( \quad , \quad )$	<b>D</b>	$( \quad , \quad )$
<b>B</b>	$( \quad , \quad )$	<b>E</b>	$( \quad , \quad )$
<b>C</b>	$( \quad , \quad )$	<b>F</b>	$( \quad , \quad )$

## 6. PRACTICE

### A. PLOT THESE POINTS

Plot and label each point.

- P**  $(1, 2)$   
**Q**  $(-2, 3)$   
**R**  $(-3, -1)$   
**S**  $(2, -2)$   
**T**  $(0, -4)$



### B. WRITE THE COORDINATES

Write the coordinates of these points.

- P**  $( \quad , \quad )$   
**Q**  $( \quad , \quad )$   
**R**  $( \quad , \quad )$   
**S**  $( \quad , \quad )$   
**T**  $( \quad , \quad )$

### C. FIND THE POINT

Plot the point described.

- 3 right, 2 up  $\rightarrow ( \quad , \quad )$
- 2 left, 4 up  $\rightarrow ( \quad , \quad )$
- 4 left, 1 down  $\rightarrow ( \quad , \quad )$
- 1 right, 3 down  $\rightarrow ( \quad , \quad )$
- On the y-axis at  $y = 4 \rightarrow ( \quad , \quad )$

## 7. CHALLENGE

Plot triangle ABC with vertices A  $(-4, -1)$ , B  $(-1, 3)$ , C  $(2, -2)$ .  
What type of triangle is it?

\_\_\_\_\_

## 8. CHECK YOUR UNDERSTANDING

Which quadrant would the point  $(-2, 5)$  be in?

- Quadrant I     Quadrant II  
 Quadrant III     Quadrant IV

What are the coordinates of the origin?

- $(1, 1)$   
  $(0, 1)$   
  $(0, 0)$   
  $(1, 0)$