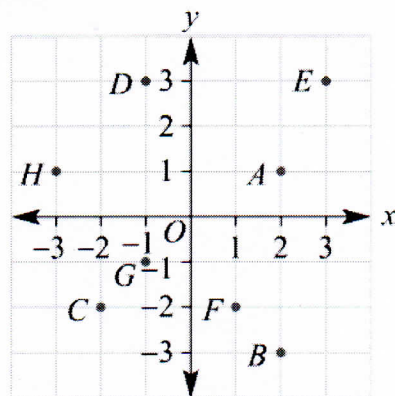


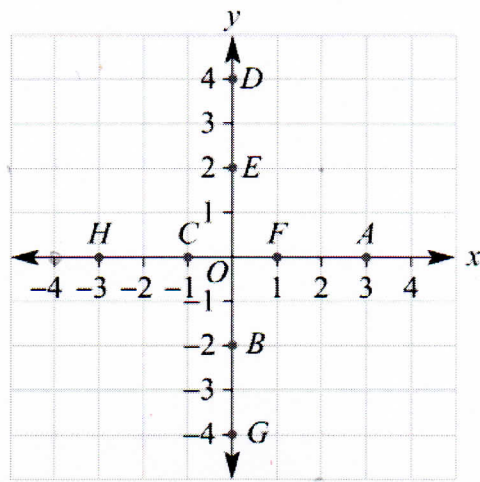
1 Match the points A, B, C, D, E, F, G and H with the given coordinates.

- | | | | | | |
|---|---------|----------|---|----------|----------|
| a | (-1, 3) | D | b | (2, -3) | B |
| c | (2, 1) | A | d | (-2, -2) | C |
| e | (3, 3) | E | f | (-3, 1) | H |
| g | (1, -2) | F | h | (-1, -1) | G |



5 For the number plane given, write down the coordinates of the points labelled A, B, C, D, E, F, G and H.

- A(3, 0) B(0, -2) C(-1, 0)**
D(0, 4) E(0, 2) F(1, 0)
G(0, -4) H(-3, 0)



10 Karen's bushwalk starts at a point (2, 2) on a grid map. Each square on the map represents 1 kilometre. If Karen walks to the points (2, -7), then (-4, -7), then (-4, 0) and then (2, 0), how far has she walked in total?

$9 + 6 + 7 + 6 = 28$

11 The points A(-2, 0), B(-1, ?) and C(0, 4) all lie on a straight line. Find the y coordinate of point B.

-2

12 The points A(-4, 8), B(-1, ?) and C(2, -2) all lie on a straight line. Find the y coordinate of point B.

5



14 A point (a, b) sits on the number plane in one of the four regions 1, 2, 3 or 4, as shown. These regions are called **quadrants**.

a Name the quadrant or quadrants that include the points where:

- | | | | | | |
|-----|---------|-------------|----|---------------------|----------|
| i | $a > 0$ | 1, 4 | ii | $a > 0$ and $b < 0$ | 4 |
| iii | $b < 0$ | 3, 4 | iv | $a < 0$ and $b < 0$ | 3 |

b Shade the region that includes all points for which $b > a$.

