

Solutions

Award method and answer marks as indicated; accept equivalent correct methods.

2.1

- **A: 2 right, 3 up; B: 2 left, 1 down** from the origin.

2.2

- Left and down are negative: $(-4, -5)$.

2.3

- Zero horizontal coordinate on y -axis: $(0, -3)$. Zero vertical coordinate on x -axis: $(6, 0)$.

2.4

- Match the first x and third y : $(0, 7)$.

3.1

(a)

- **P: left 3 down 2; Q: right 2 down 2; R: right 2 up 4.**

(b)

- Vertical through P and horizontal through R meet at $S = (-3, 4)$.

(c)

- RS has $y = 4$; the y -axis has $x = 0$: $(0, 4)$.

3.2

(a)

- For D , keep A 's x and C 's y : $D = (-4, 3)$.
- Count **6 horizontal units** and **4 vertical units**.

(b)

- AB crosses at $(0, -1)$, because x is zero on the y -axis. BC crosses at $(2, 0)$, because y is zero on the x -axis.