

GCSE MATHS • GRADE 1

MATHS



MODEL ANSWERS

COORDINATES

SCORE

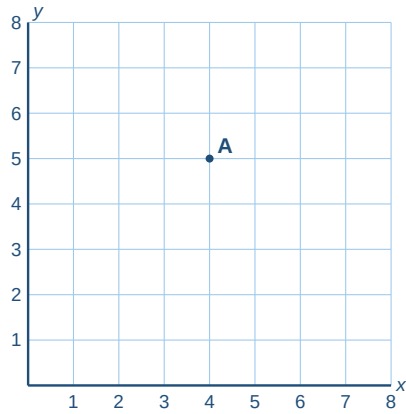
/185

PERCENTAGE

%

STEM UP

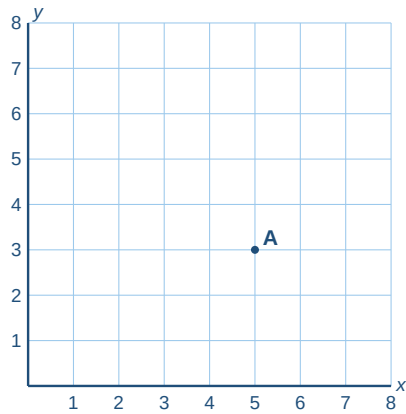
- 1 Write down the coordinates of point A.



$A (4, 5)$

/ 1

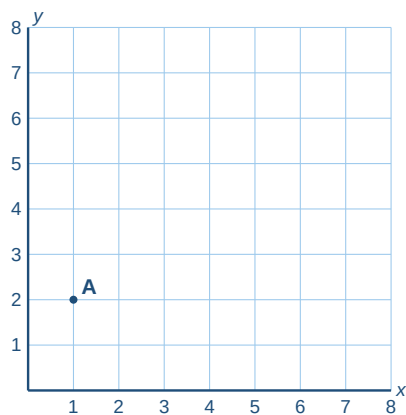
- 2 Write down the coordinates of point A.



$A (5, 3)$

/ 1

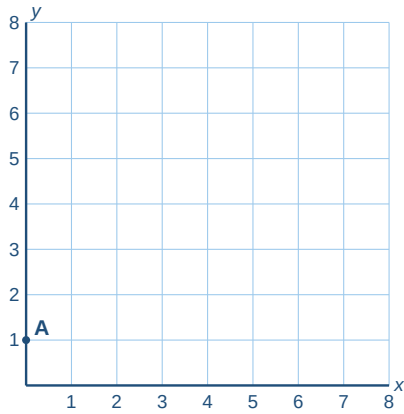
- 3 Write down the coordinates of point A.



$A (1, 2)$

/ 1

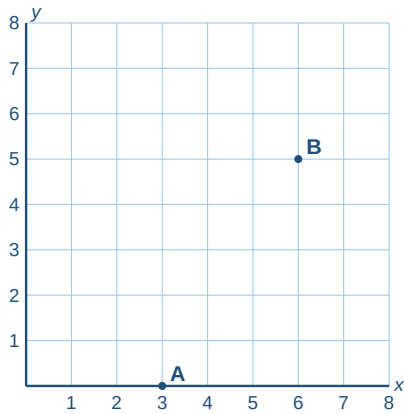
- 4 Write down the coordinates of point A.



$A (0, 1)$

/ 1

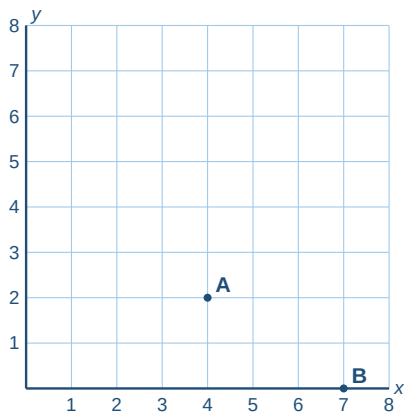
- 5 Write down the coordinates of points A and B.



$A (3, 0), B (6, 5)$

/ 1

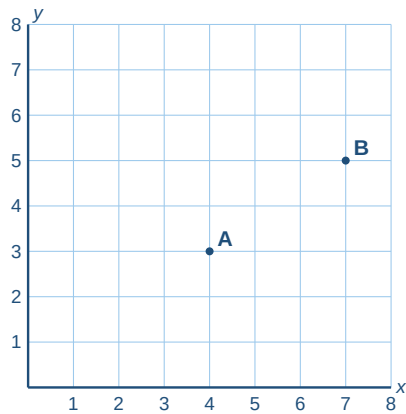
- 6 Write down the coordinates of points A and B.



$A (4, 2), B (7, 0)$

/ 1

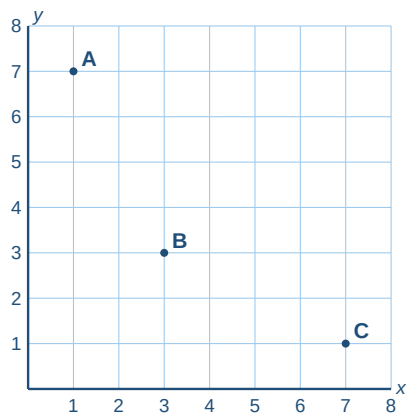
- 7 Write down the coordinates of points A and B.



$A (4, 3), B (7, 5)$

/ 1

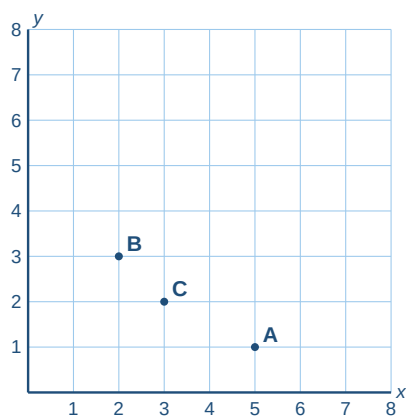
- 8 Write down the coordinates of points A, B and C.



$A (1, 7), B (3, 3), C (7, 1)$

/ 1

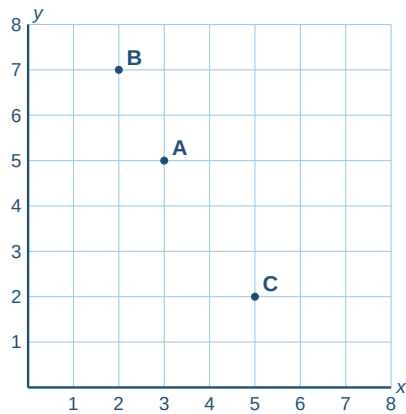
- 9 Write down the coordinates of points A, B and C.



$A (5, 1), B (2, 3), C (3, 2)$

/ 1

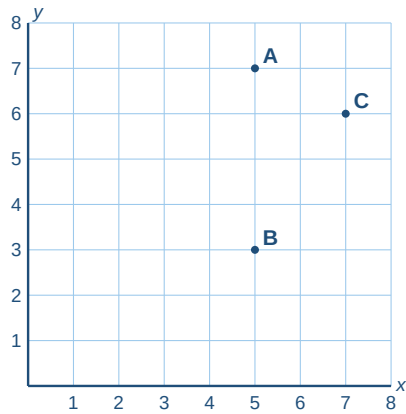
- 10 Write down the coordinates of points A, B and C.



$A (3, 5), B (2, 7), C (5, 2)$

/ 1

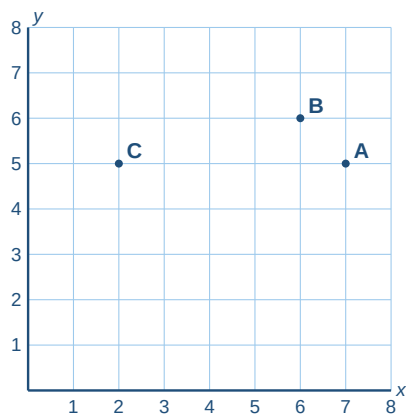
- 11 Write down the coordinates of points A, B and C.



$A (5, 7), B (5, 3), C (7, 6)$

/ 1

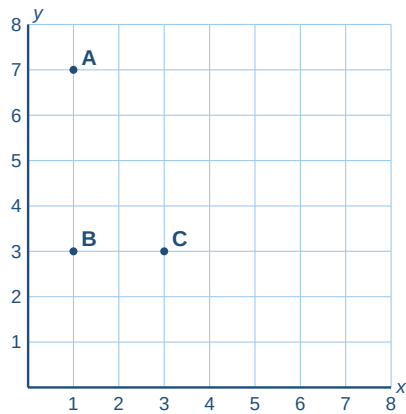
- 12 Write down the coordinates of points A, B and C.



$A (7, 5), B (6, 6), C (2, 5)$

/ 1

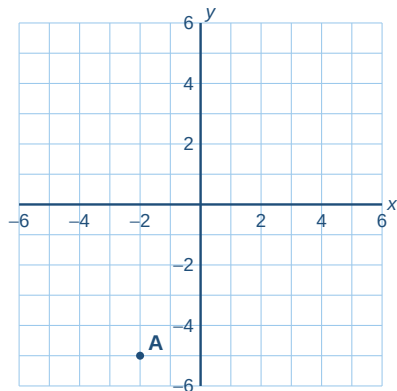
- 13 Write down the coordinates of points A, B and C.



$A (1, 7), B (1, 3), C (3, 3)$

/ 1

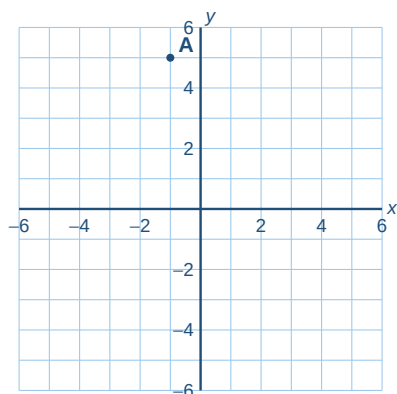
- 14 Write down the coordinates of point A.



$A (-2, -5)$

/ 1

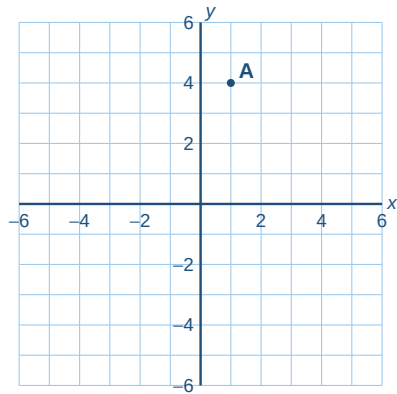
- 15 Write down the coordinates of point A.



$A (-1, 5)$

/ 1

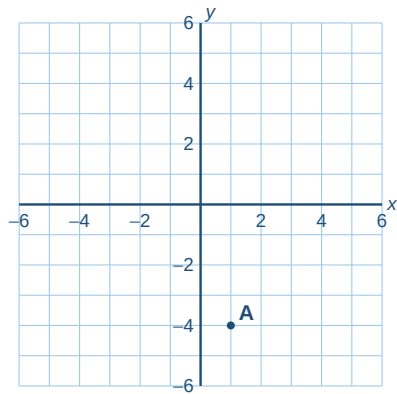
- 16 Write down the coordinates of point A.



$A (1, 4)$

/ 1

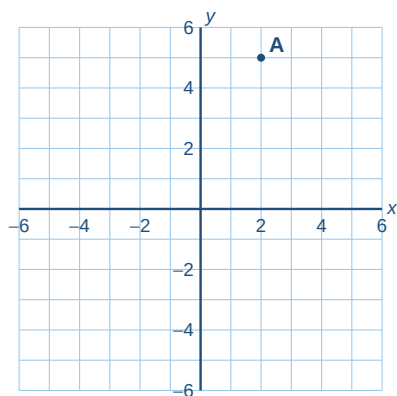
- 17 Write down the coordinates of point A.



$A (1, -4)$

/ 1

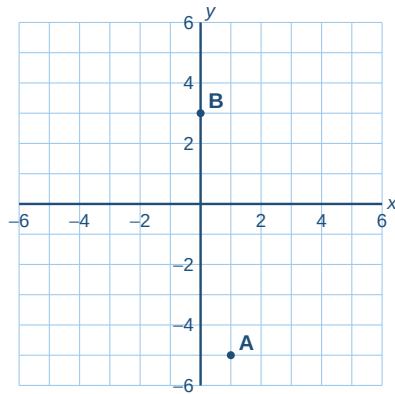
- 18 Write down the coordinates of point A.



$A (2, 5)$

/ 1

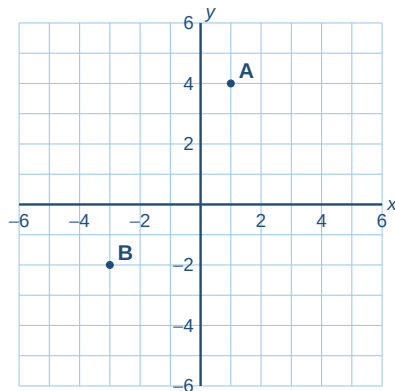
- 19 Write down the coordinates of points A and B.



$A (1, -5), B (0, 3)$

/ 1

- 20 Write down the coordinates of points A and B.



$A (1, 4), B (-3, -2)$

/ 1

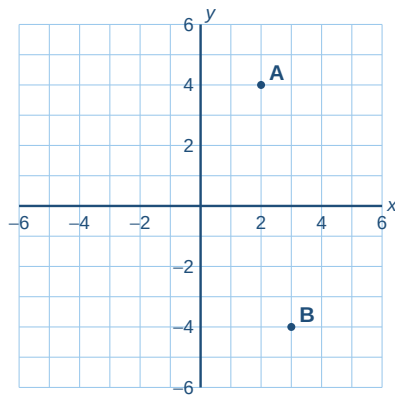
- 21 The point P has coordinates $(1, -2)$.
P is moved 4 right and 4 down.
Write down the coordinates of the new point.

$x: 1 + 4 = 5, y: -2 + -4 = -6$

$(5, -6)$

/ 1

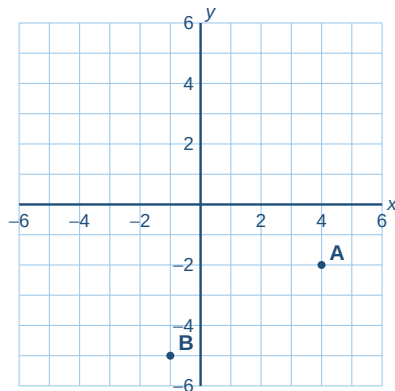
- 22 Write down the coordinates of points A and B.



$A (2, 4), B (3, -4)$

/ 1

- 23 Write down the coordinates of points A and B.



$A (4, -2), B (-1, -5)$

/ 1

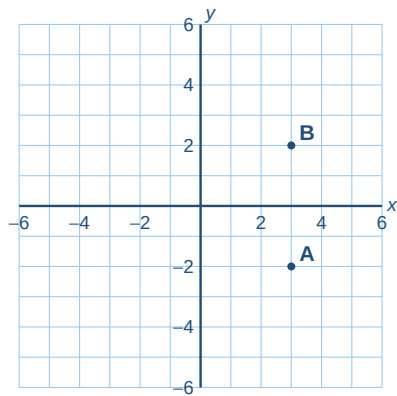
- 24 The point P has coordinates $(2, -2)$.
P is moved 4 left and 2 down.
Write down the coordinates of the new point.

$x: 2 + -4 = -2, y: -2 + -2 = -4$

$(-2, -4)$

/ 1

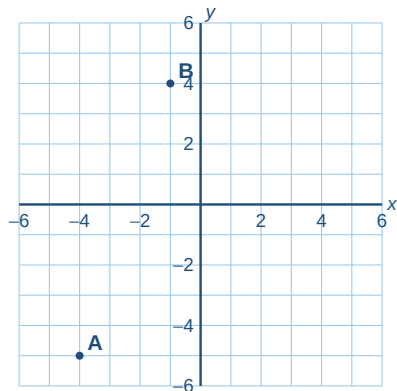
- 25 Write down the coordinates of points A and B.



$A (3, -2), B (3, 2)$

/ 1

- 26 Write down the coordinates of points A and B.



$A (-4, -5), B (-1, 4)$

/ 1

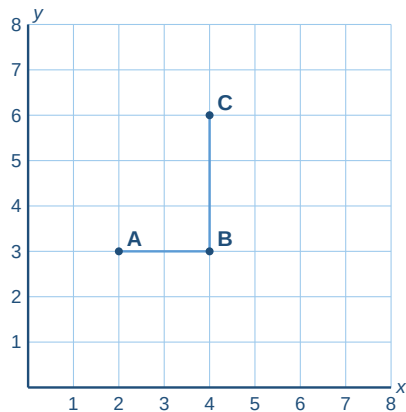
- 27 The point P has coordinates (5, 0).
P is moved 5 left and 5 up.
Write down the coordinates of the new point.

$x: 5 + -5 = 0, y: 0 + 5 = 5$

$(0, 5)$

/ 1

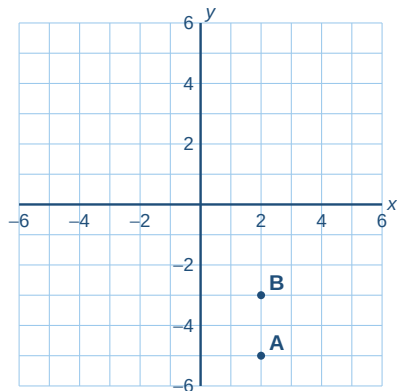
- 28 A, B and C are three corners of a rectangle ABCD.
Write down the coordinates of the point D.



(2, 6)

1 / 1

- 29 Write down the coordinates of points A and B.



A (2, -5), B (2, -3)

1 / 1

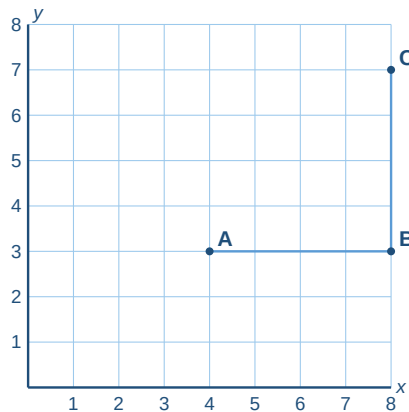
- 30 The point P has coordinates (0, -5).
P is moved 4 right and 5 down.
Write down the coordinates of the new point.

$$x: 0 + 4 = 4, y: -5 + -5 = -10$$

(4, -10)

1 / 1

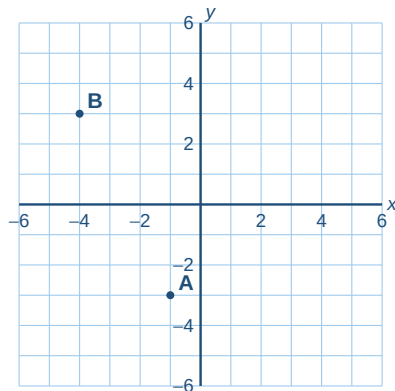
- 31 A, B and C are three corners of a rectangle ABCD.
Write down the coordinates of the point D.



(4, 7)

1 / 1

- 32 Write down the coordinates of points A and B.



A (-1, -3), B (-4, 3)

1 / 1

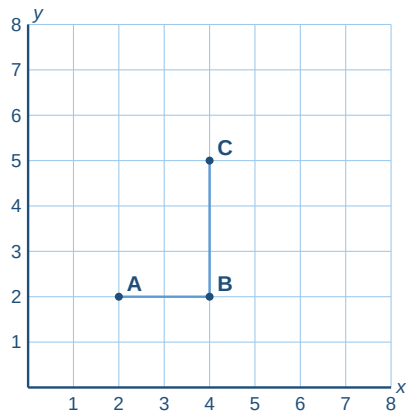
- 33 The point P has coordinates (1, -5).
P is moved 3 left and 5 down.
Write down the coordinates of the new point.

$$x: 1 + -3 = -2, y: -5 + -5 = -10$$

(-2, -10)

1 / 1

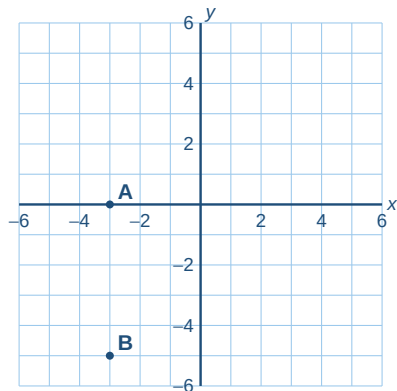
- 34 A, B and C are three corners of a rectangle ABCD.
Write down the coordinates of the point D.



(2, 5)

1 / 1

- 35 Write down the coordinates of points A and B.



A (-3, 0), B (-3, -5)

1 / 1

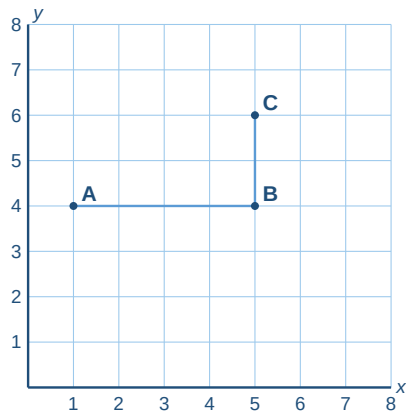
- 36 The point P has coordinates $(-3, 3)$.
P is moved 4 right and 4 up.
Write down the coordinates of the new point.

$$x: -3 + 4 = 1, y: 3 + 4 = 7$$

(1, 7)

1 / 1

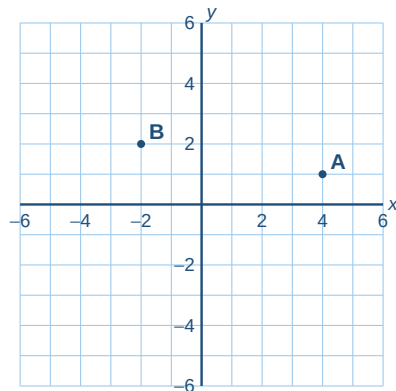
- 37 A, B and C are three corners of a rectangle ABCD.
Write down the coordinates of the point D.



(1, 6)

1 / 1

- 38 Write down the coordinates of points A and B.



A (4, 1), B (-2, 2)

1 / 1

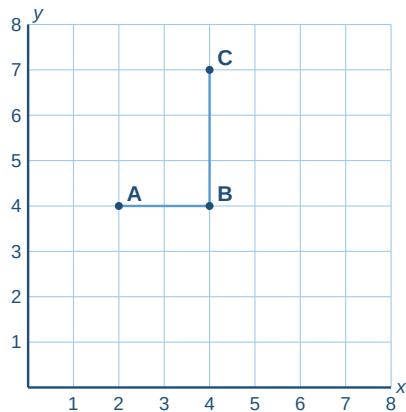
- 39 The point P has coordinates (2, -5).
P is moved 2 left and 2 down.
Write down the coordinates of the new point.

$$x: 2 + -2 = 0, y: -5 + -2 = -7$$

(0, -7)

1 / 1

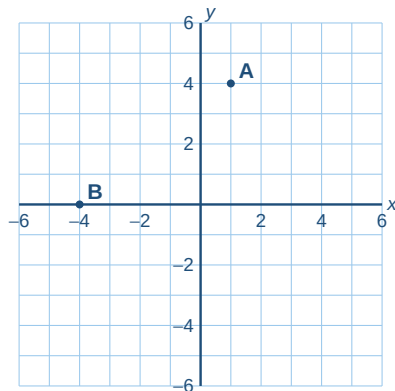
- 40 A, B and C are three corners of a rectangle ABCD.
Write down the coordinates of the point D.



(2, 7)

1 / 1

- 41 Write down the coordinates of points A and B.



A (1, 4), B (-4, 0)

2 / 2

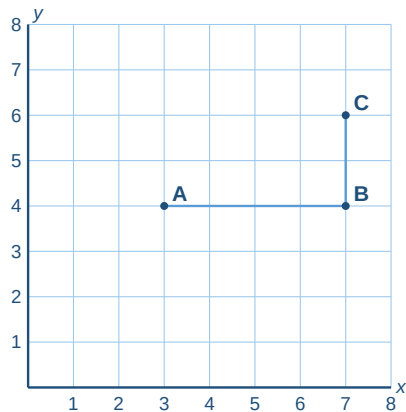
- 42 The point P has coordinates $(-2, 5)$.
P is moved 4 left and 3 down.
Write down the coordinates of the new point.

x: $-2 + -4 = -6$, y: $5 + -3 = 2$

(-6, 2)

2 / 2

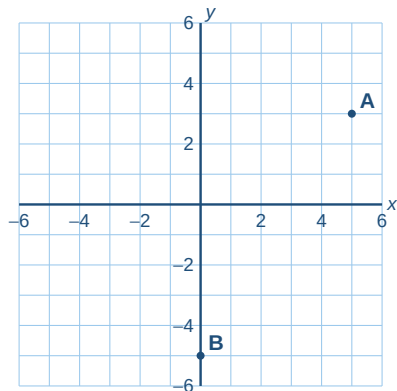
- 43 A, B and C are three corners of a rectangle ABCD.
Write down the coordinates of the point D.



(3, 6)

2 / 2

- 44 Write down the coordinates of points A and B.



A (5, 3), B (0, -5)

2 / 2

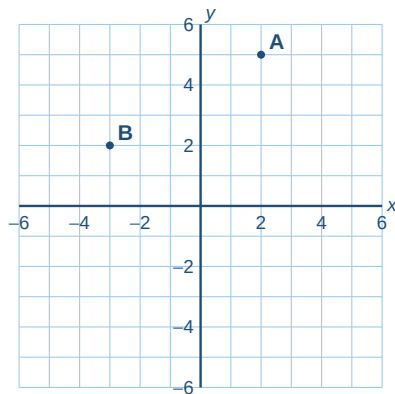
- 45 The point P has coordinates (3, -5).
P is moved 4 right and 5 down.
Write down the coordinates of the new point.

$$x: 3 + 4 = 7, y: -5 + -5 = -10$$

(7, -10)

2 / 2

- 46 Write down the coordinates of points A and B.



$A (2, 5), B (-3, 2)$

$\boxed{2} / 2$

- 47 The point P has coordinates $(-2, 6)$.
P is moved 3 right and 4 down.
Write down the coordinates of the new point.

$x: -2 + 3 = 1, y: 6 + -4 = 2$

$(1, 2)$

$\boxed{2} / 2$

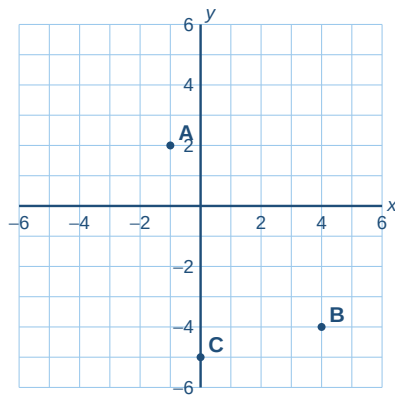
- 48 The point P has coordinates $(3, -5)$.
P is moved 4 right and 5 up.
Write down the coordinates of the new point.

$x: 3 + 4 = 7, y: -5 + 5 = 0$

$(7, 0)$

$\boxed{2} / 2$

- 49 Write down the coordinates of points A, B and C.



$A (-1, 2), B (4, -4), C (0, -5)$

$\boxed{2} / 2$

- 50 The point P has coordinates $(6, -2)$.
P is moved 4 left and 4 up.
Write down the coordinates of the new point.

$x: 6 + -4 = 2, y: -2 + 4 = 2$

$(2, 2)$

$\boxed{2} / 2$

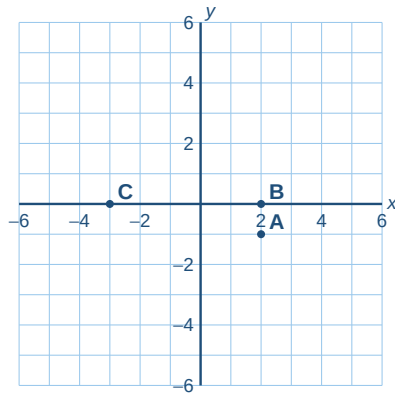
- 51 The point P has coordinates $(2, 6)$.
P is moved 2 left and 2 down.
Write down the coordinates of the new point.

$x: 2 + -2 = 0, y: 6 + -2 = 4$

$(0, 4)$

$\boxed{2} / 2$

- 52 Write down the coordinates of points A, B and C.



$A (2, -1), B (2, 0), C (-3, 0)$

2 / 2

- 53 The point P has coordinates (3, 6).
P is moved 5 right and 5 up.
Write down the coordinates of the new point.

$x: 3 + 5 = 8, y: 6 + 5 = 11$

$(8, 11)$

2 / 2

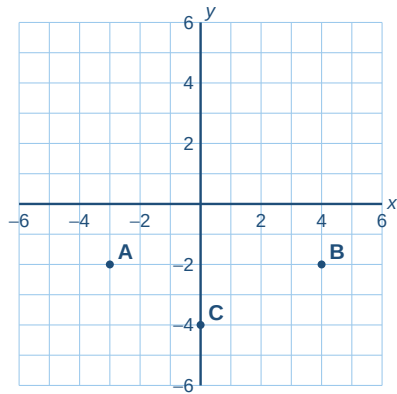
- 54 The point P has coordinates (6, -4).
P is moved 5 right and 4 down.
Write down the coordinates of the new point.

$x: 6 + 5 = 11, y: -4 + -4 = -8$

$(11, -8)$

2 / 2

- 55 Write down the coordinates of points A, B and C.



$A (-3, -2), B (4, -2), C (0, -4)$

2 / 2

- 56 A is the point $(0, -2)$ and B is the point $(1, -2)$.

Work out the length of the line AB.

Count the units between the two y values (or x values): 0 to 1

1 units

2 / 2

- 57 The point P has coordinates $(-6, 4)$.

P is moved 2 right and 3 down.

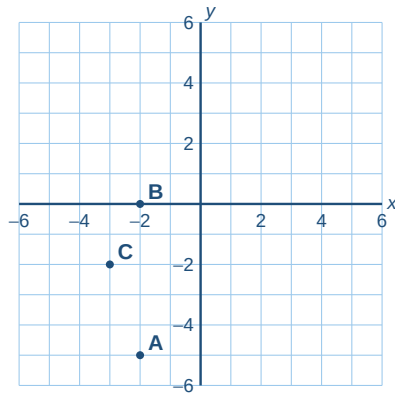
Write down the coordinates of the new point.

$x: -6 + 2 = -4, y: 4 + -3 = 1$

$(-4, 1)$

2 / 2

- 58 Write down the coordinates of points A, B and C.



$A (-2, -5), B (-2, 0), C (-3, -2)$

2 / 2

- 59 A is the point $(6, -5)$ and B is the point $(5, -5)$.

Work out the length of the line AB.

Count the units between the two y values (or x values): 6 to 5

1 units

2 / 2

- 60 The point P has coordinates $(4, 6)$.

P is moved 3 left and 2 down.

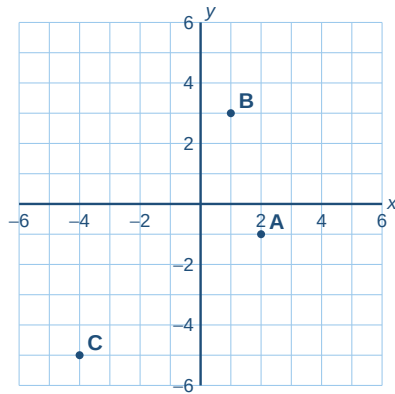
Write down the coordinates of the new point.

x: $4 + -3 = 1$, y: $6 + -2 = 4$

(1, 4)

2 / 2

- 61 Write down the coordinates of points A, B and C.



A (2, -1), B (1, 3), C (-4, -5)

2 / 2

- 62 A is the point (0, 5) and B is the point (-1, 5).

Work out the length of the line AB.

Count the units between the two y values (or x values): 0 to -1

1 units

2 / 2

- 63 The point P has coordinates (6, 4).

P is moved 5 right and 2 up.

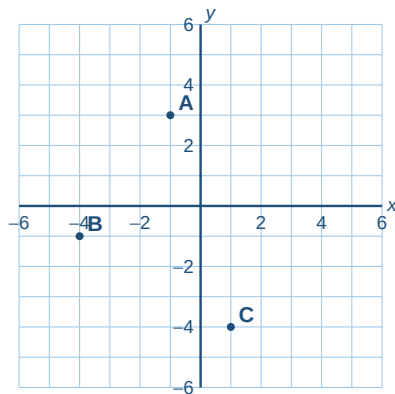
Write down the coordinates of the new point.

x: $6 + 5 = 11$, y: $4 + 2 = 6$

(11, 6)

2 / 2

- 64 Write down the coordinates of points A, B and C.



A (-1, 3), B (-4, -1), C (1, -4)

2 / 2

- 65 A is the point $(-4, 5)$ and B is the point $(-4, 4)$.

Work out the length of the line AB.

Count the units between the two y values (or x values): 5 to 4

1 units

2 / 2

- 66 The point P has coordinates $(-4, 6)$.

P is moved 5 right and 5 up.

Write down the coordinates of the new point.

x: $-4 + 5 = 1$, y: $6 + 5 = 11$

(1, 11)

2 / 2

67 The point P has coordinates (6, -5).

P is moved 3 left and 4 up.

Write down the coordinates of the new point.

$x: 6 + -3 = 3, y: -5 + 4 = -1$

(3, -1)

2 / 2

68 A is the point (-3, -5) and B is the point (-5, -5).

Work out the length of the line AB.

Count the units between the two y values (or x values): -3 to -5

2 units

2 / 2

69 The point P has coordinates (-6, 5).

P is moved 4 left and 2 down.

Write down the coordinates of the new point.

$x: -6 + -4 = -10, y: 5 + -2 = 3$

(-10, 3)

2 / 2

70 The point P has coordinates $(-6, 6)$.

P is moved 5 right and 4 down.

Write down the coordinates of the new point.

$$x: -6 + 5 = -1, y: 6 + -4 = 2$$

$(-1, 2)$

$\boxed{2} / 2$

71 A is the point $(-3, -7)$ and B is the point $(-3, -5)$.

Work out the length of the line AB.

Count the units between the two y values (or x values): -7 to -5

2 units

$\boxed{2} / 2$

72 The point P has coordinates $(6, 6)$.

P is moved 5 right and 2 up.

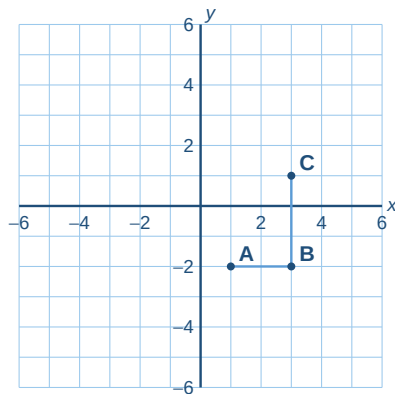
Write down the coordinates of the new point.

$$x: 6 + 5 = 11, y: 6 + 2 = 8$$

$(11, 8)$

$\boxed{2} / 2$

- 73 A, B and C are three corners of a rectangle ABCD.
Write down the coordinates of the point D.



(1, 1)

2 / 2

- 74 A is the point (4, 0) and B is the point (2, 0).
Work out the length of the line AB.

Count the units between the two y values (or x values): 4 to 2

2 units

2 / 2

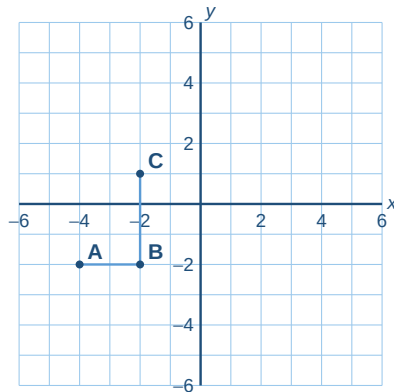
- 75 A is the point (3, -2) and B is the point (3, -5).
Work out the length of the line AB.

Count the units between the two y values (or x values): -2 to -5

3 units

2 / 2

- 76 A, B and C are three corners of a rectangle ABCD.
Write down the coordinates of the point D.



$(-4, 1)$

/ 3

- 77 A is the point $(-3, -4)$ and B is the point $(0, -4)$.
Work out the length of the line AB.

Count the units between the two y values (or x values): -3 to 0

3 units

/ 3

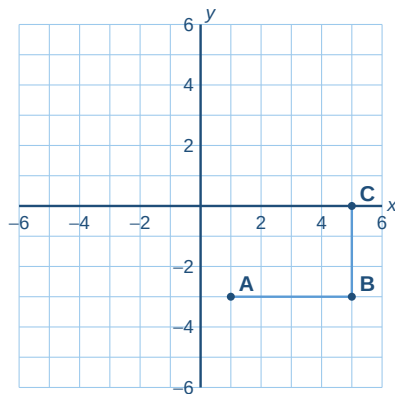
- 78 A is the point $(-2, -1)$ and B is the point $(-7, -1)$.
Work out the length of the line AB.

Count the units between the two y values (or x values): -2 to -7

5 units

/ 3

- 79 A, B and C are three corners of a rectangle ABCD.
Write down the coordinates of the point D.



(1, 0)

3 / 3

- 80 A is the point (1, 2) and B is the point (-5, -4).
Find the coordinates of the midpoint of AB.

$x: (1 + -5) \div 2 = -2, y: (2 + -4) \div 2 = -1$

(-2, -1)

3 / 3

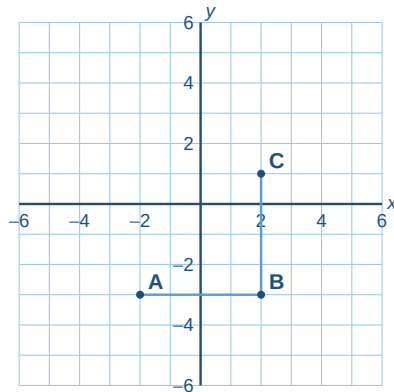
- 81 A is the point (-4, -6) and B is the point (-4, -1).
Work out the length of the line AB.

Count the units between the two y values (or x values): -6 to -1

5 units

3 / 3

- 82 A, B and C are three corners of a rectangle ABCD.
Write down the coordinates of the point D.



$(-2, 1)$

/ 3

- 83 A is the point $(-2, -1)$ and B is the point $(-6, -9)$.
Find the coordinates of the midpoint of AB.

$x: (-2 + -6) \div 2 = -4, y: (-1 + -9) \div 2 = -5$

$(-4, -5)$

/ 3

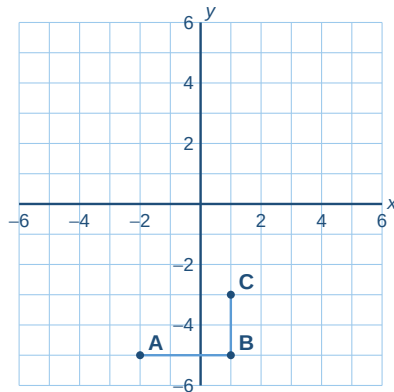
- 84 A is the point $(-1, -3)$ and B is the point $(5, -3)$.
Work out the length of the line AB.

Count the units between the two y values (or x values): -1 to 5

6 units

/ 3

- 85 A, B and C are three corners of a rectangle ABCD.
Write down the coordinates of the point D.



..... $(-2, -3)$

3 / 3

- 86 A is the point $(2, 0)$ and B is the point $(2, -2)$.
Find the coordinates of the midpoint of AB.

$x: (2 + 2) \div 2 = 2, y: (0 + -2) \div 2 = -1$

..... $(2, -1)$

3 / 3

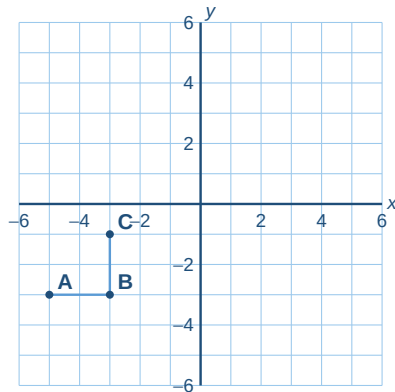
- 87 A is the point $(-6, -5)$ and B is the point $(0, -5)$.
Work out the length of the line AB.

Count the units between the two y values (or x values): -6 to 0

..... *6 units*

3 / 3

- 88 A, B and C are three corners of a rectangle ABCD.
Write down the coordinates of the point D.



$(-5, -1)$

/ 3

- 89 A is the point $(-2, 1)$ and B is the point $(-8, -1)$.
Find the coordinates of the midpoint of AB.

$x: (-2 + -8) \div 2 = -5, y: (1 + -1) \div 2 = 0$

$(-5, 0)$

/ 3

- 90 A is the point $(-4, 0)$ and B is the point $(-4, -6)$.
Work out the length of the line AB.

Count the units between the two y values (or x values): 0 to -6

6 units

/ 3

- 91 A is the point (0, 3) and B is the point (0, -4).

Work out the length of the line AB.

Count the units between the two y values (or x values): 3 to -4

7 units

/ 3

- 92 A is the point (8, -5) and B is the point (10, -5).

Find the coordinates of the midpoint of AB.

x: $(8 + 10) \div 2 = 9$, y: $(-5 + -5) \div 2 = -5$

(9, -5)

/ 3

- 93 A is the point (-5, 4) and B is the point (4, 4).

Work out the length of the line AB.

Count the units between the two y values (or x values): -5 to 4

9 units

/ 3

- 94 A is the point $(-4, 4)$ and B is the point $(-4, -7)$.

Work out the length of the line AB.

Count the units between the two y values (or x values): 4 to -7

11 units

/ 3

- 95 A is the point $(8, 2)$ and B is the point $(14, 4)$.

Find the coordinates of the midpoint of AB.

x: $(8 + 14) \div 2 = 11$, y: $(2 + 4) \div 2 = 3$

(11, 3)

/ 3

- 96 A is the point $(4, 8)$ and B is the point $(6, 0)$.

Find the coordinates of the midpoint of AB.

x: $(4 + 6) \div 2 = 5$, y: $(8 + 0) \div 2 = 4$

(5, 4)

/ 3

97 A is the point (3, -1) and B is the point (-5, -1).

Find the coordinates of the midpoint of AB.

$$x: (3 + -5) \div 2 = -1, y: (-1 + -1) \div 2 = -1$$

..... (-1, -1)

3 / 3

98 A is the point (2, -1) and B is the point (6, -3).

Find the coordinates of the midpoint of AB.

$$x: (2 + 6) \div 2 = 4, y: (-1 + -3) \div 2 = -2$$

..... (4, -2)

3 / 3

99 A is the point (2, 6) and B is the point (-2, 14).

Find the coordinates of the midpoint of AB.

$$x: (2 + -2) \div 2 = 0, y: (6 + 14) \div 2 = 10$$

..... (0, 10)

3 / 3

100 A is the point (0, 6) and B is the point (6, -2).

Find the coordinates of the midpoint of AB.

x: $(0 + 6) \div 2 = 3$, y: $(6 + -2) \div 2 = 2$

(3, 2)

3 / 3