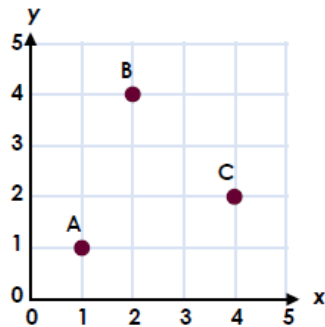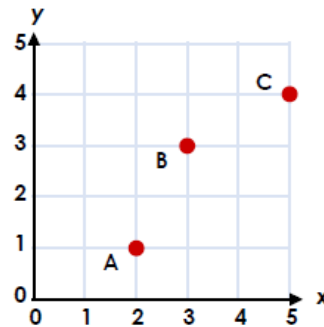## Describe Position

**1a.** I'm thinking of a coordinate. The value of x is between 2 and 5 and the value of y is between 1 and 3. Which coordinate could it be? Explain your answer.
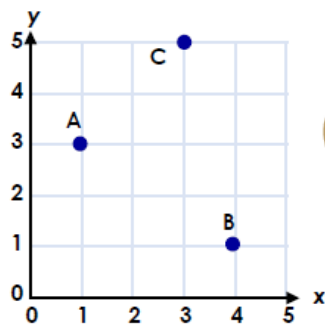
**1b.** I'm thinking of a coordinate. The value of x is between 2 and 4 and the value of y is between 3 and 5. Which coordinate could it be? Explain your answer.
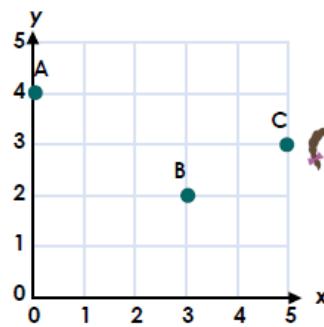
**2a.** Caleb has written the coordinates for the points on the grid. Correct any mistakes he has made.
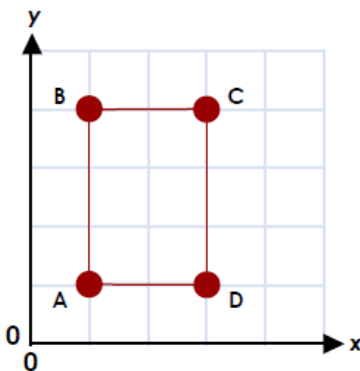
A = (1, 3)     B = (4, 1)     C = (5, 3)

**2b.** Cara has written the coordinates for the points on the grid. Correct any mistakes she has made.
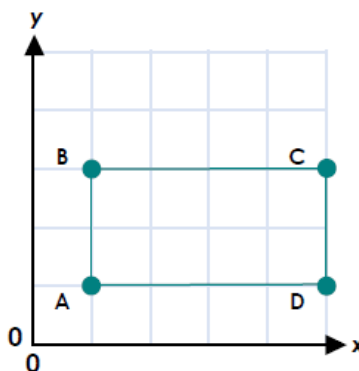
A = (4, 0)     B = (3, 2)     C = (5, 3)

**3a.** A = (1, 1)   C = (3, 4)
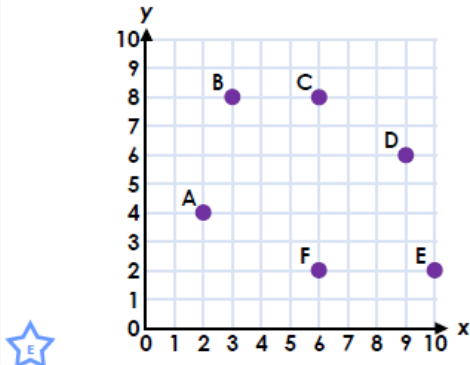Use this information to work out the coordinates of points B and D.

**3b.** B = (1, 3)   D = (5, 1)
Use this information to work out the coordinates of points A and C.

**4a.** I'm thinking of a coordinate. The value of x is between 3 and 6 and the value of y is between 7 and 9. Which coordinate could it be? Explain your answer.
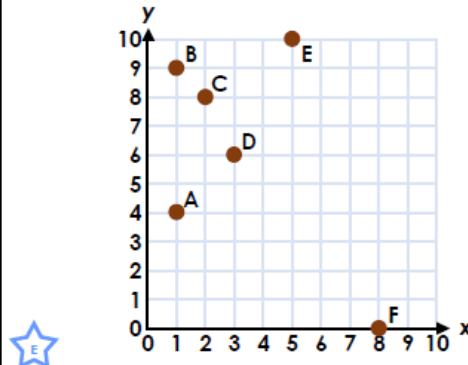
**4b.** I'm thinking of a coordinate. The value of x is between 2 and 4 and the value of y is between 3 and 6. Which coordinate could it be? Explain your answer.

**5a.** Brandon has written the coordinates for a rectangle. Correct any mistakes he has made.

A = (2, 2)   B = (8, 2)   C = (4, 8)   D = (2, 5)

**5b.** Susie has written the coordinates for a pentagon. Correct any mistakes she has made.

A = (3, 2)   B = (2, 7)   C = (7, 7)
D = (5, 9)   E = (8, 3)

**6a.** A = (2, 3)   C = (7, 7)
Use this information to work out the coordinates of points B and D.

**6b.** A = (3, 1)
Use this information to work out the coordinates of points B and C.

## Describe Position

**7a.** I'm thinking of a coordinate. The value of x is between 3 and 6 and the value of y is between 1 and 6. Which coordinate could it be? Explain your answer.
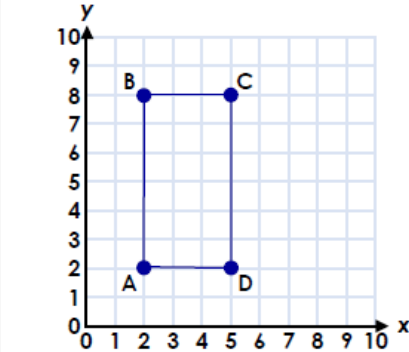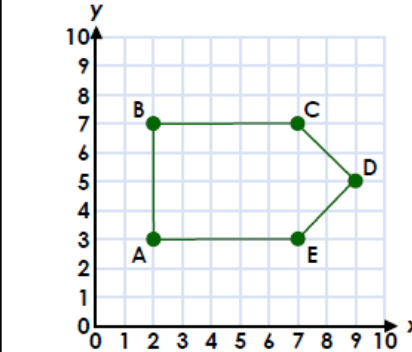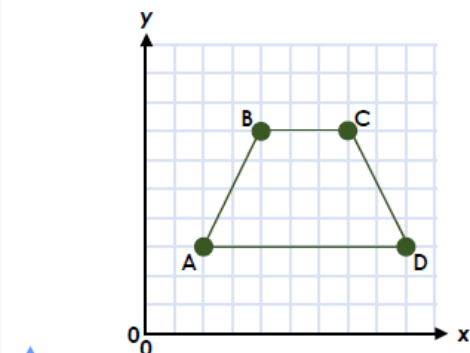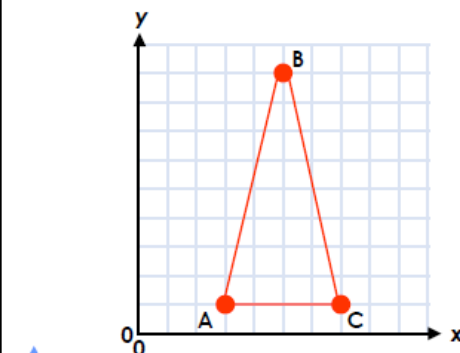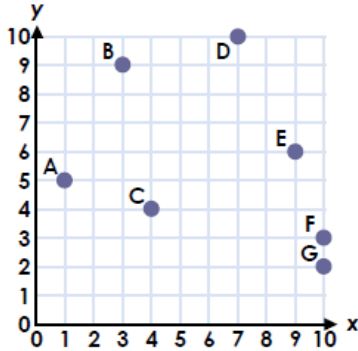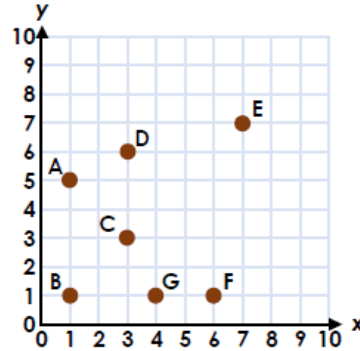
## Describe Position

**7b.** I'm thinking of a coordinate. The value of x is between 0 and 5 and the value of y is between 4 and 7. Which coordinate could it be? Explain your answer.

**8a.** Sally has written the coordinates for a hexagon. Correct any mistakes she has made.
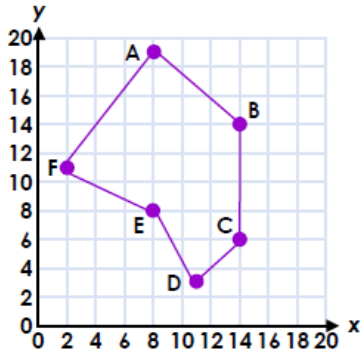
A = (8, 18)   B = (14, 14)   C = (6, 14)
D = (3, 11)   E = (8, 8)   F = (2, 11)

**8b.** Hashim has written the coordinates for a pentagon. Correct any mistakes he has made.

A = (6, 11)   B = (2, 18)   C = (16, 12)
D = (18, 12)   E = (6, 13)

**9a.** B = (45, 45)   D = (5, 5)
Use this information to work out the coordinates of points A and C.

**9b.** F = (15, 40)   C = (45, 20)
Use this information to work out the points of the remaining coordinates.

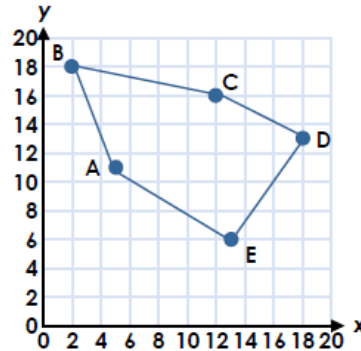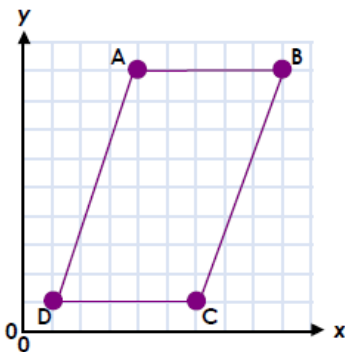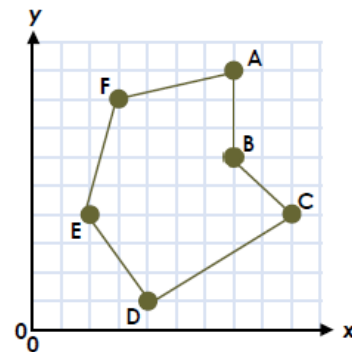## Reasoning and Problem Solving
### Describe Position

#### Developing

**1a.** C is the only coordinate that has a value of x between 2 and 5, and a value of y between 1 and 3.

**2a.** Caleb has read the y axis before the x axis on coordinate C, which should be (3, 5).

**3a.** B = (1, 4) and D = (3, 1)

#### Expected

**4a.** B and C are the only coordinates that have a value of x between 3 and 6, and a value of y between 7 and 9.

**5a.** Brandon has read the y axis before the x axis on coordinates B and D, which should be (2, 8) and (5, 2). He has misread coordinate C, as this should be (5, 8).

**6a.** B = (4, 7) and D = (9, 3)

#### Greater Depth

**7a.** C is the only coordinate that has a value of x between 3 and 6 and a value of y between 1 and 6.

**8a.** Sally has misread coordinate A, which should be (8, 19). She has read the y axis before the x axis on coordinates C and D, which should be (14, 6) and (11, 3).

**9a.** Grid increases in intervals of 5.
A = (20, 45) and C = (30, 5)

## Reasoning and Problem Solving
### Describe Position

#### Developing

**1b.** B is the only coordinate that has a value of x between 2 and 4, and a value of y between 3 and 5.

**2b.** Cara has read the y axis before the x axis on coordinate A, which should be (0, 4).

**3b.** A = (1, 1) and C = (5, 3)

#### Expected

**4b.** D is the only coordinate that has a value of x between 2 and 4 and a value of y between 3 and 6.

**5b.** Susie has read the y axis before the x axis on coordinates A and D, which should be (2, 3) and (9, 5). She has misread coordinate E, as this should be (7, 3).

**6b.** B = (5, 9) and C = (7, 1)

#### Greater Depth

**7b.** A and D are the only coordinates that have a value of x between 0 and 5, and a value of y between 4 and 7.

**8b.** Hashim has read the y axis before the x axis on coordinates C and E, which should be (12, 16) and (13, 6). He has misread coordinates A and D, which should be (5, 11) and (18, 13).

**9b.** Grid increases in intervals of 5.
A = (35, 45), B = (35, 30), D = (20, 5) and E = (10, 20)