Coordinate Geometry: Descartes

NAME: ....

CLASS: ....

DATE: ....

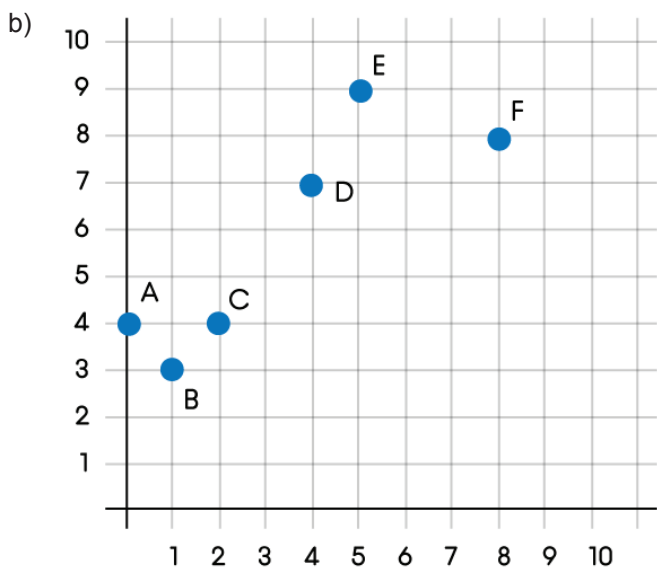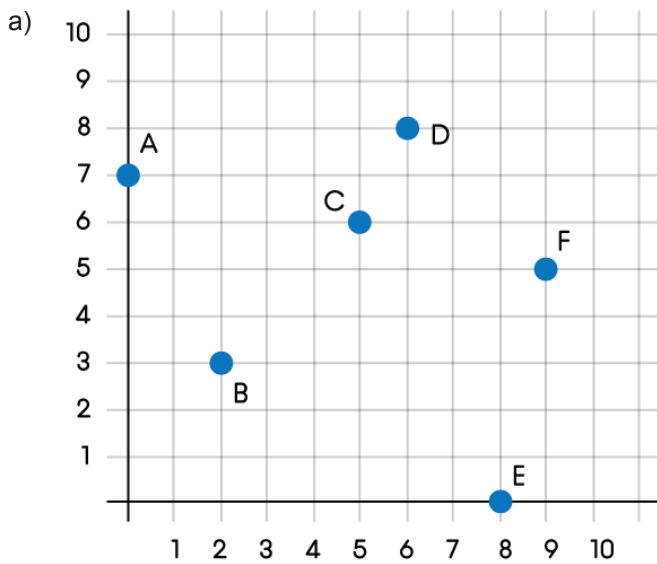**Basic**

1) Give the coordinates of the points in the diagrams below:

a)

b)

Coordinate Geometry: Descartes

Basic

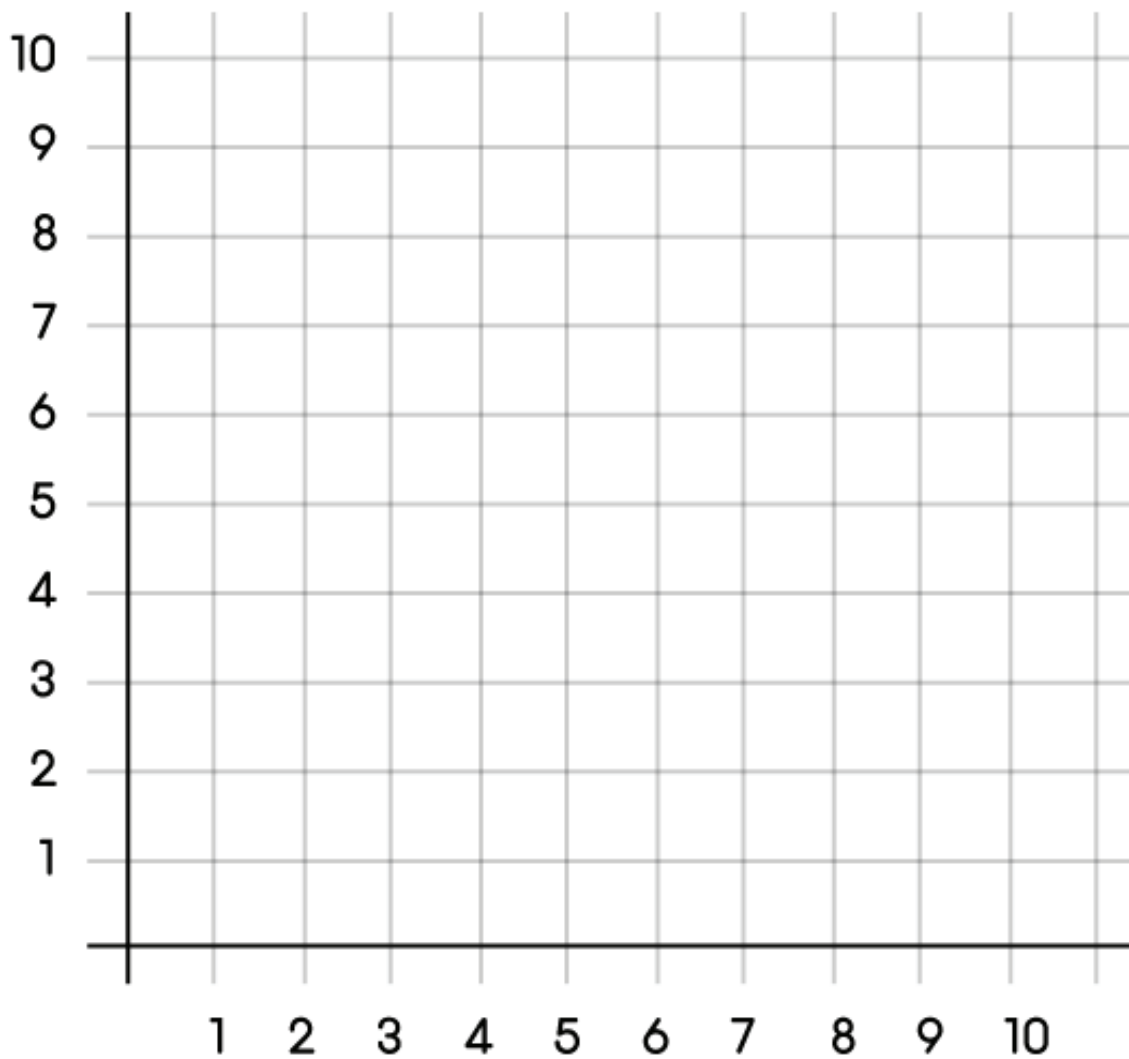2) Using the blank grid below plot the following points:

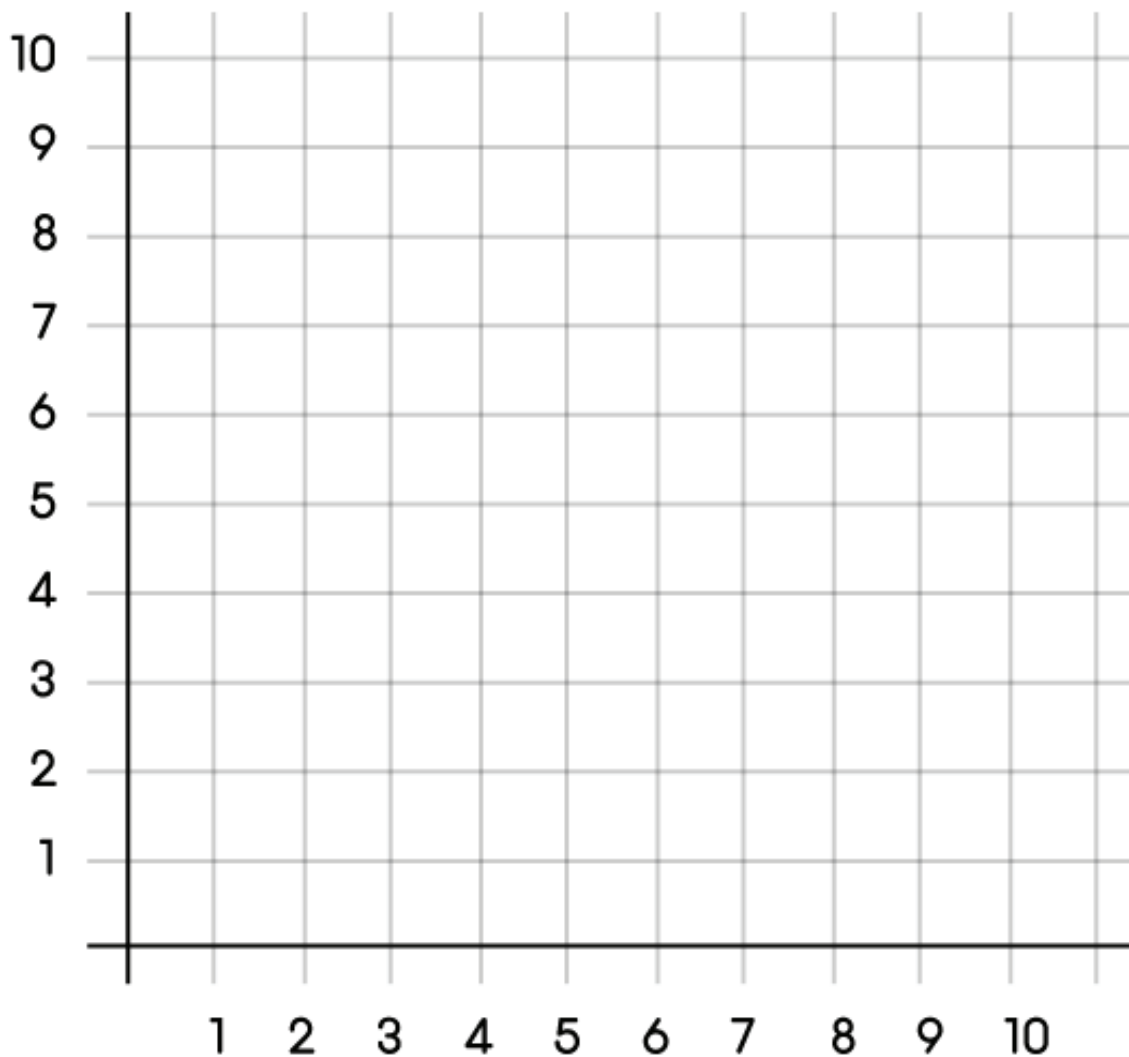A (4, 6)   B (0, 9)   C (7, 1)   D (8, 4)   E (10, 0)   F (5, 5)

Basic

3) Using the blank grid below plot the following:

a) The line joining all the points with an x-coordinate of 4;

b) The line joining all the points with a y-coordinate of 7;

c) Give the point of intersection of both lines.
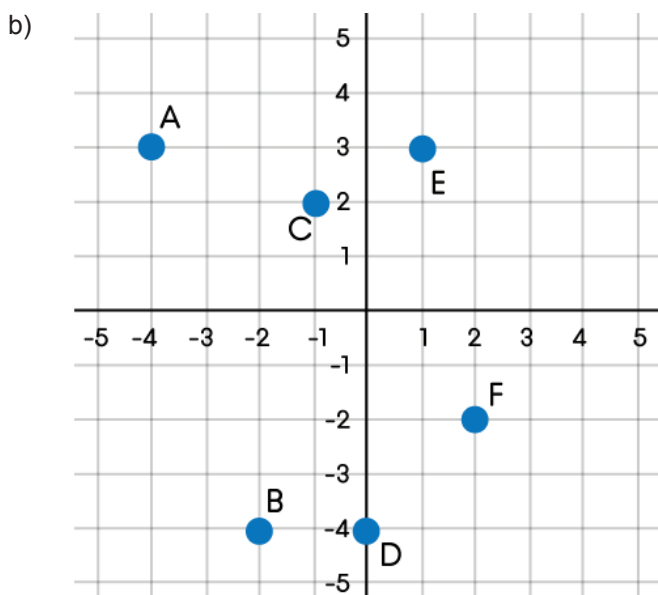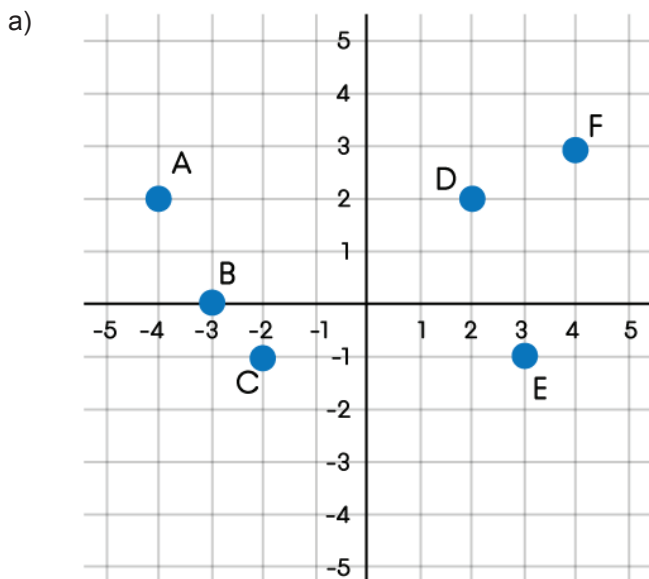
Coordinate Geometry: Descartes

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Core

1) Give the coordinates of the points in the diagrams below:

a)

b)

Twig

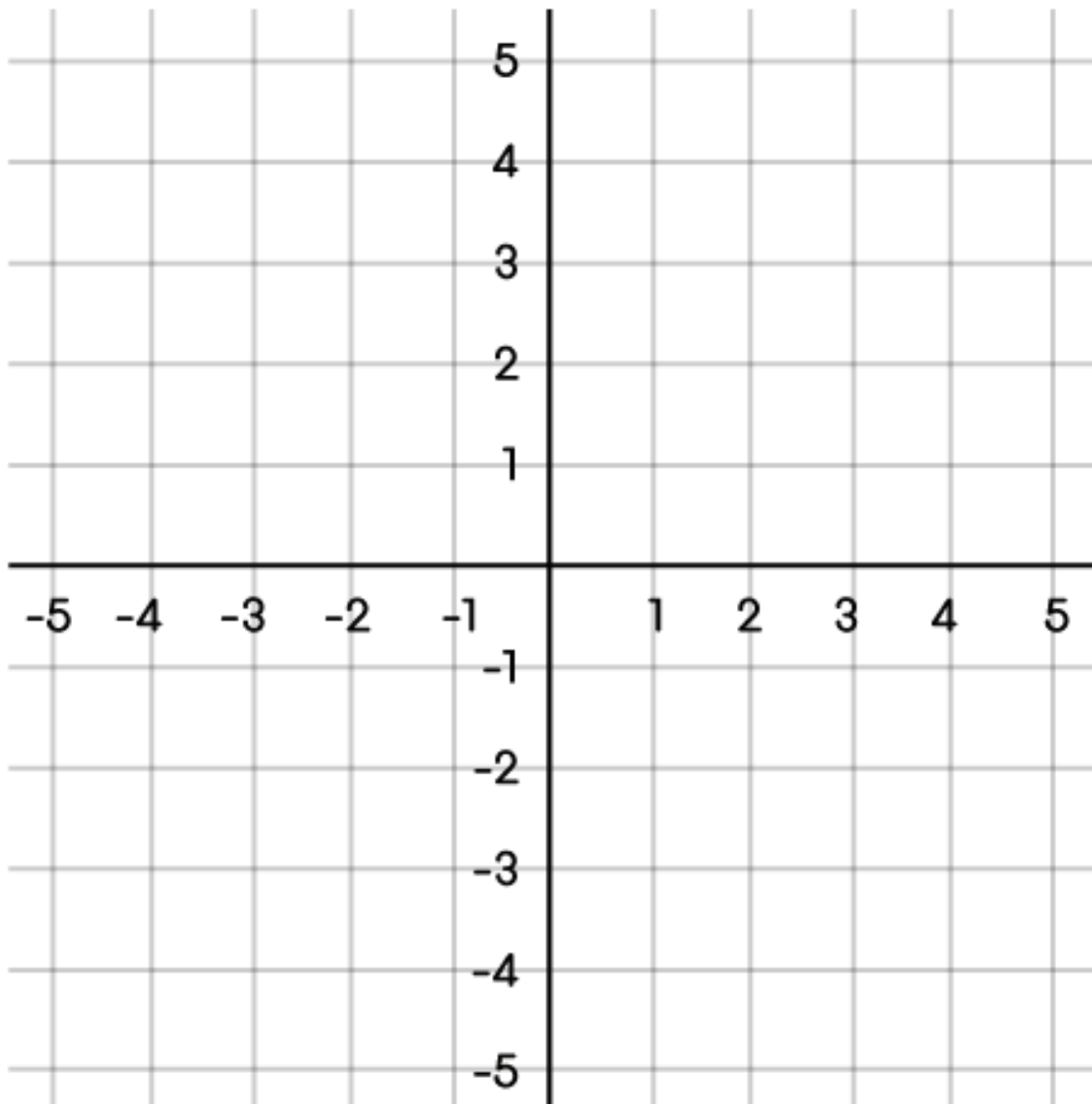2) Using the blank grid below plot the following points:

A (1, 3)   B (0, -2)   C (-1, 4)   D (-2, -3)   E (0, 0)   F (-5, 1)
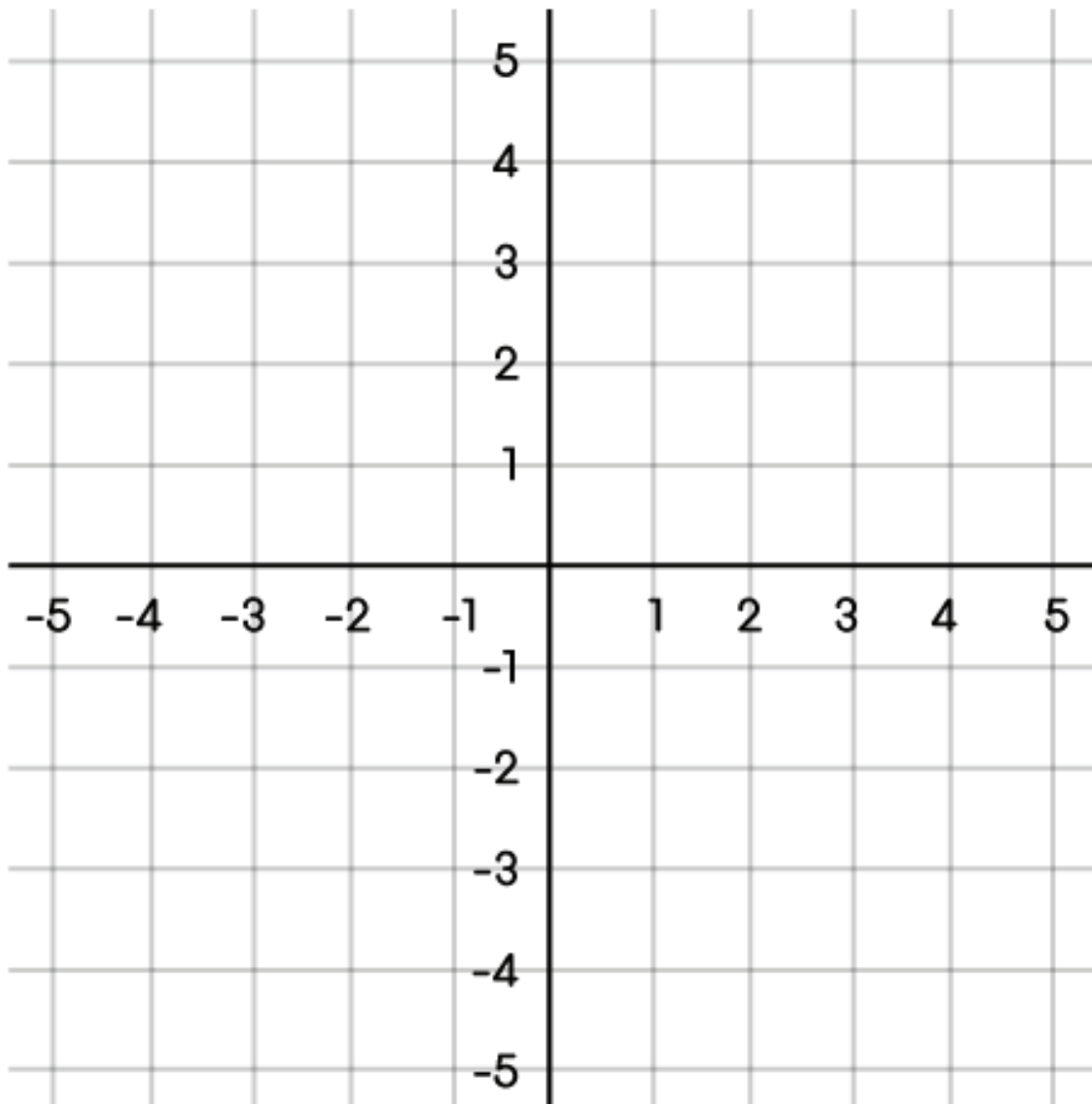
Core

3) Using the blank grid below plot the following:

a) The line joining all the points with an x-coordinate of -3;

b) The line joining all the points with a y-coordinate of 4;
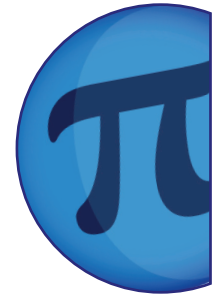
c) Give the point of intersection of both lines.
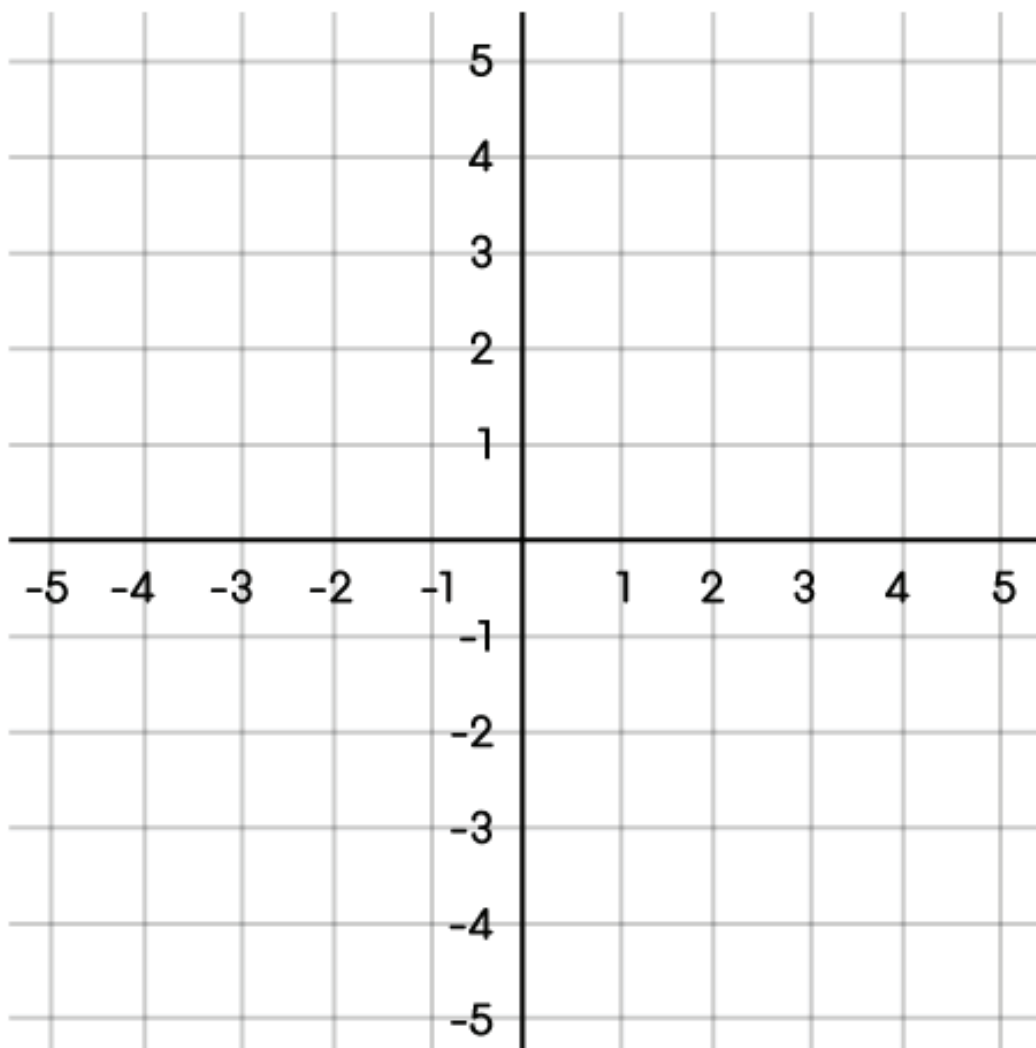
Coordinate Geometry: Descartes

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Advanced

1) Using the blank grid below plot the following:

a) The line joining all the points with an x–coordinate of -4;

b) The line joining all the points with a y–coordinate of 1;
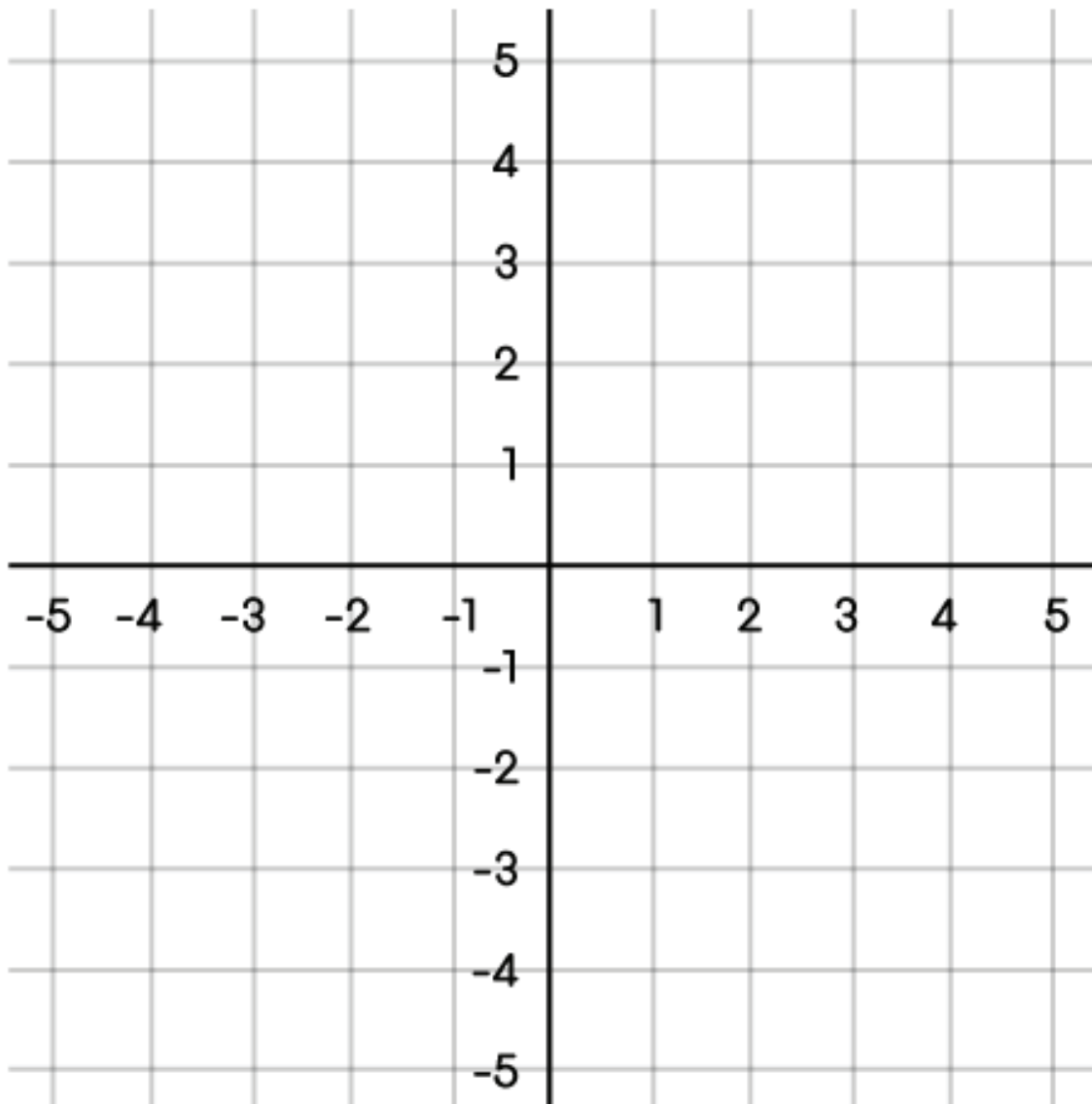
c) Give the point of intersection of both lines.

2) Using the blank grid below plot the following:

a) The line joining all the points with an equation $y = x + 1$;

b) The line joining all the points with an equation $y + 2x - 1$;
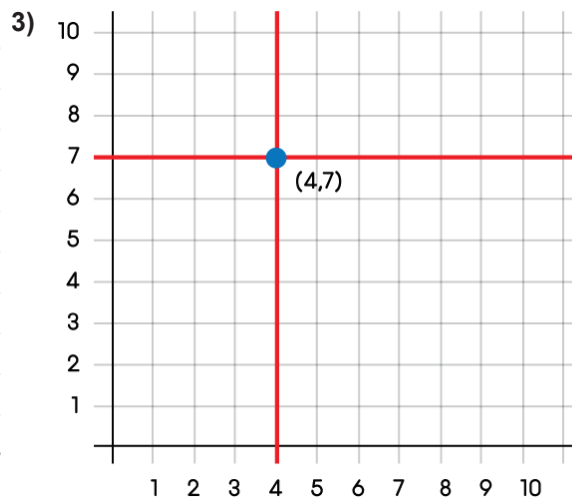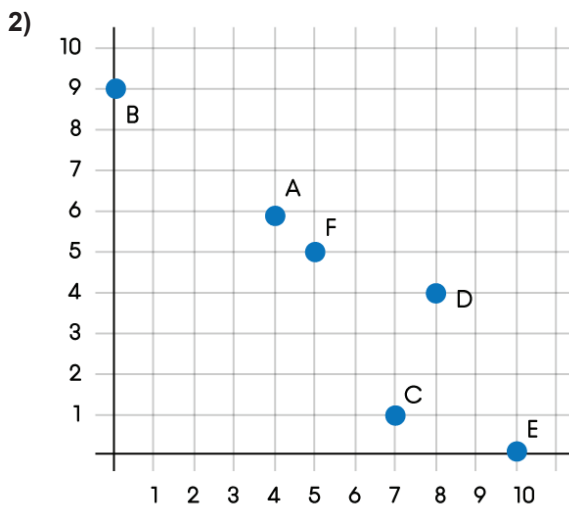
c) Give the point of intersection of both lines.
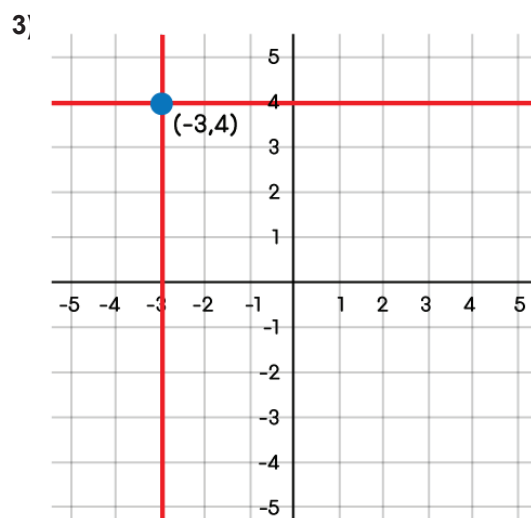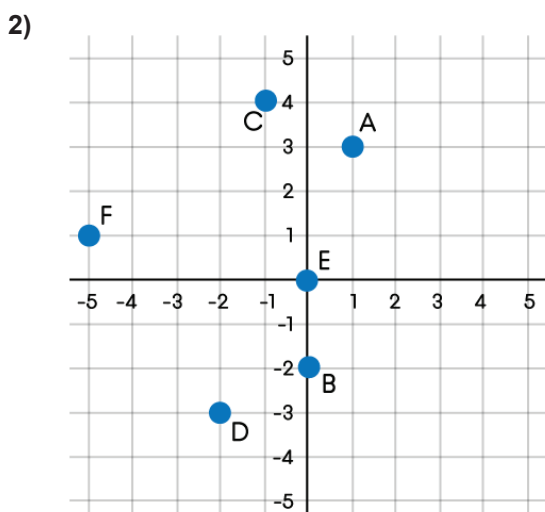
ANSWERS

Basic

1) a) A(0, 7); B(2, 3); C(5, 6); D(6, 8); E(8, 0); F(9, 5)   b) A(0, 4); B(1, 3); C(2, 4); D(4, 7); E(5, 9); F(8, 8)

2)

3)

Core

1) a) A(-4, 2); B(-3, 0); C(-2, -1); D(2, 2); E(3, -1); F(4, 3)

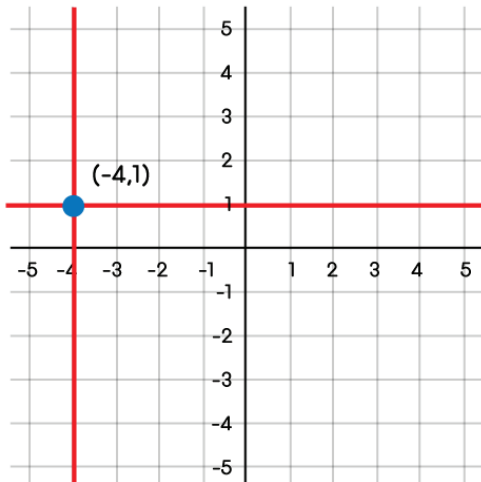b) A(-4, 3); B(-2, -4); C(-1, 2); D(0, -4); E(1, 3); F(2, -2)

2)

3)

ANSWERS

Advanced

1)

(−4,1)

2)

(2,3)