

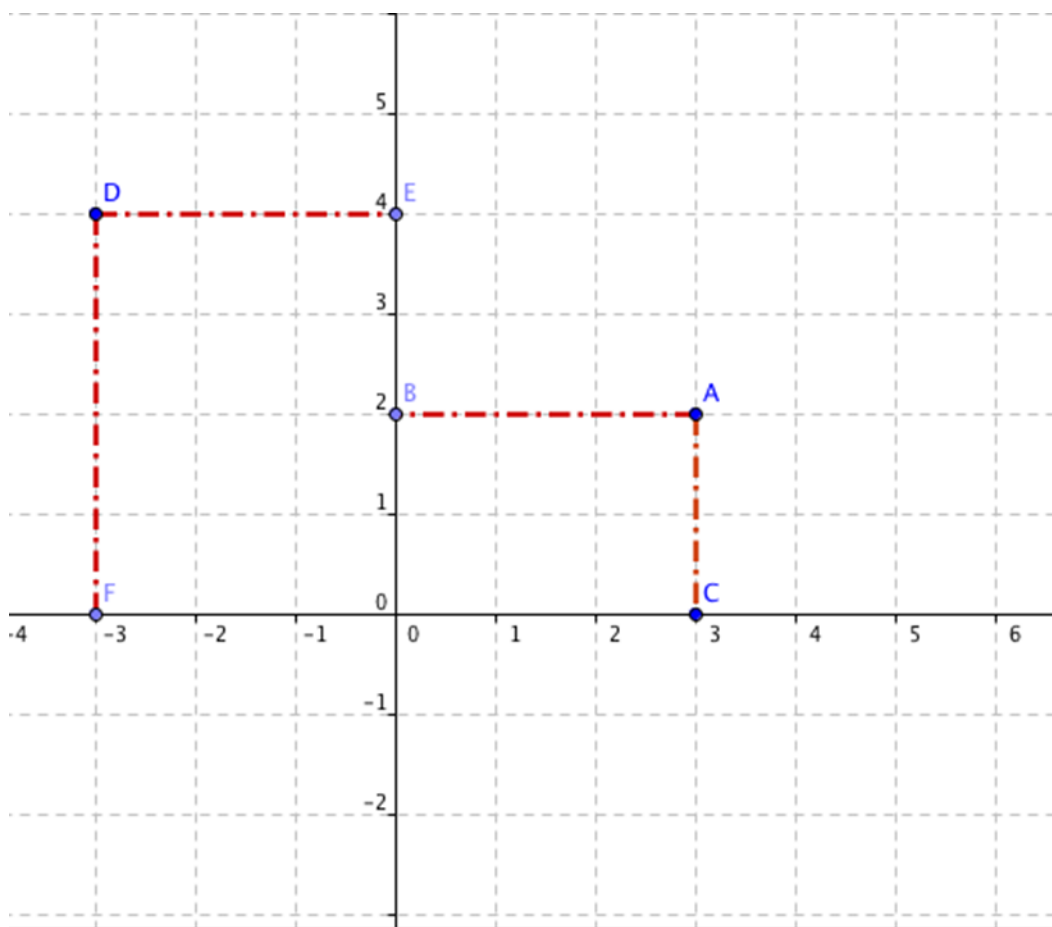


Name:

Grade:

Worksheet

1. Train yourself to find the coordinates



The coordinates of point F are



The coordinates of point A are

The coordinates of point B are

The coordinates of point D are

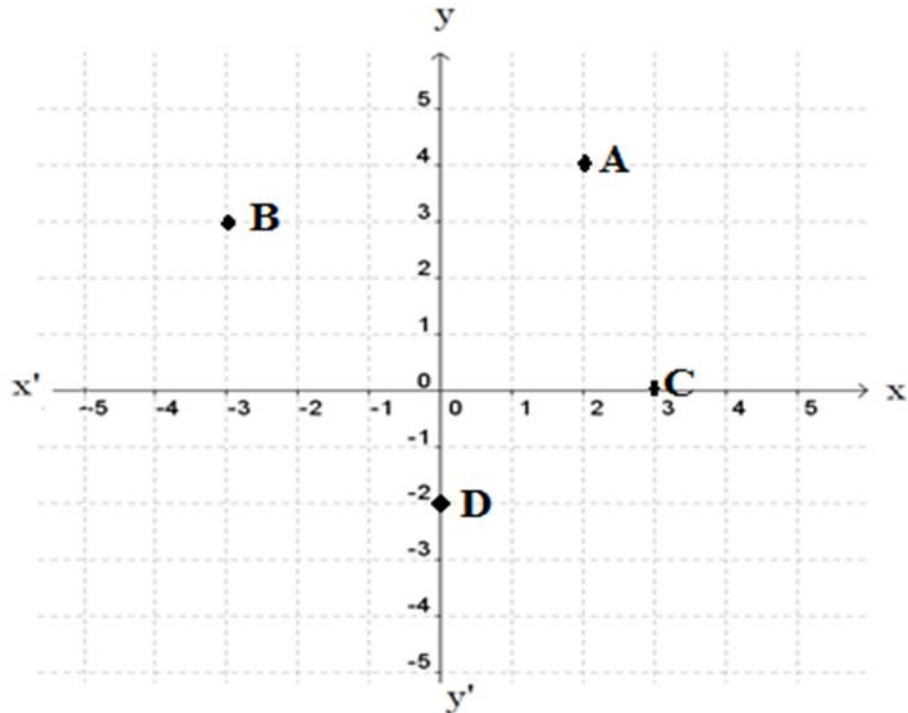
The coordinates of point C are

The coordinates of point E are

2. Locate the following points on the orthogonal system (X'OX, Y'OY).

- a) A (1, 3)
- b) B (2,0)
- c) C (3, -1)
- d) D (-2,4)
- e) E (-1, -3)
- f) F (0,4)
- g) O (0,0)

3. Answer the following questions by either true or false.



- 1) **Coordinates of point A are (-2;4)**
 - True
 - False
- 2) **Coordinates of point B are: (-3;3)**
 - True
 - False
- 3) **Coordinates of point C are: (3;0)**
 - True
 - False
- 4) **Coordinates of point D are: (-2;0)**
 - True
 - False



4. True or false and correct the false ones.

- a) A (2,0) is located on Y-axis.
- b) B (0,4) is located on X-axis.
- c) C (-1,0) is located on X- axis.
- d) D (0, -2) is located on Y-axis.

5. Given the following points:

E (2,3), F (-2,3), G (-2, -3), and H (2, -3)

- a) Locate the following points on the orthogonal plane.
- b) Indicate the quadrants for the 4 points (E, F, G&H).
- c) Determine the length of lines EF, FG, GH and EH.
- d) Prove that EFGH is a rectangle
- e) Determine the area of EFGH.