Developmental Action Without Borders

NABA'A

Reg: 104\AD

جمعيـة عمـل تنمـوي بـلا حـدود

نبـــع

علم وخبر: **104/أد**
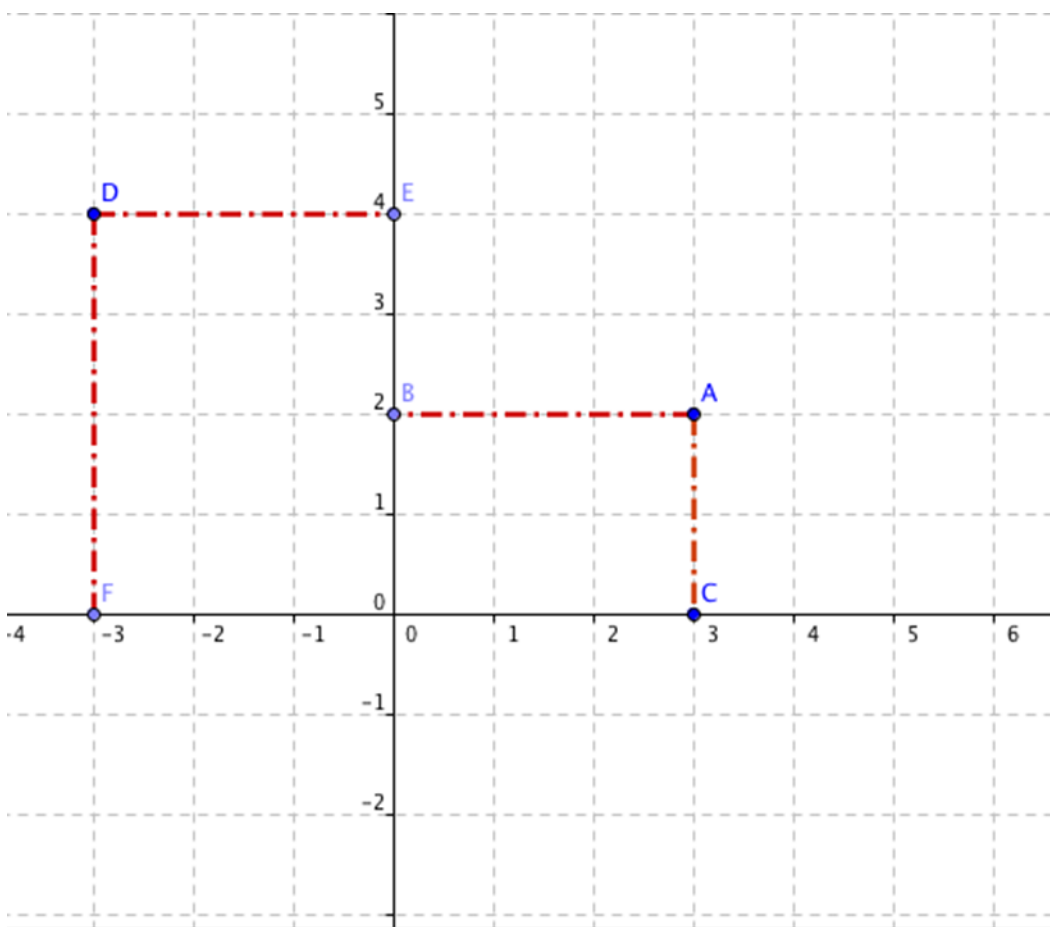
Name:

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 …….

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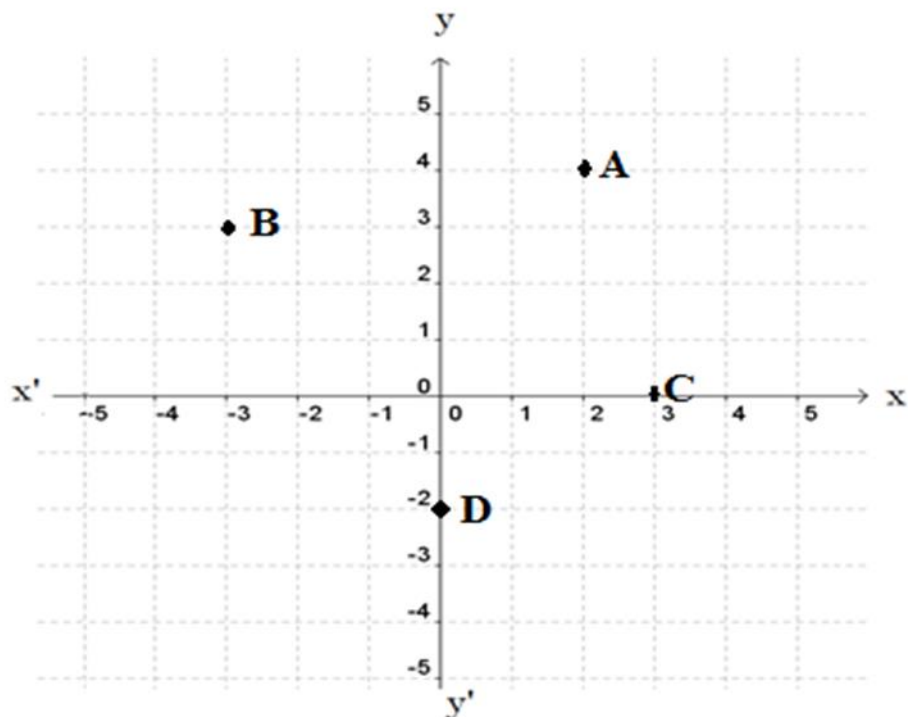جمعيـة عمـل تنمـوي بـلا حـدود

نبـــع

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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)

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- 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.