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.