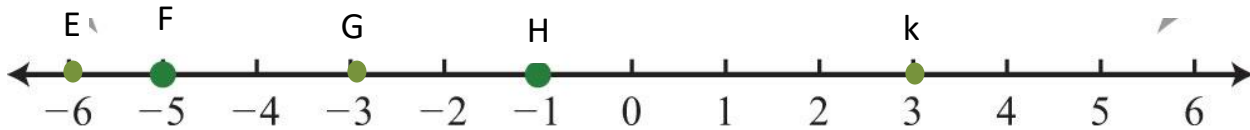


Revision sheet, Primary (6)

Distance between two points in the coordinates plane

1-From the following figure, complete:



- |             |             |             |
|-------------|-------------|-------------|
| a) EF=..... | d) EG=..... | g) EH=..... |
| b) EK=..... | e) FG=..... | h) FH=..... |
| c) FK=..... | f) GK=..... | i) Hk=..... |

2- in the coordinate plane :

Locate the points  $A(0,4)$  ,  $B(2,1)$  ,  $C(-2,1)$  then

Find the length of BC

3- in the coordinate plane :

- Determine the position of the following points:  $A(-3,-3)$  ,  $B(-3,2)$  ,  $C(5,2)$  ,  $D(5,-3)$
- What is the name of the shape ABCD
- Find the perimeter and the area of the shape ABCD

#### 4- In the opposite coordinate plane :

ABCD is a rhombus

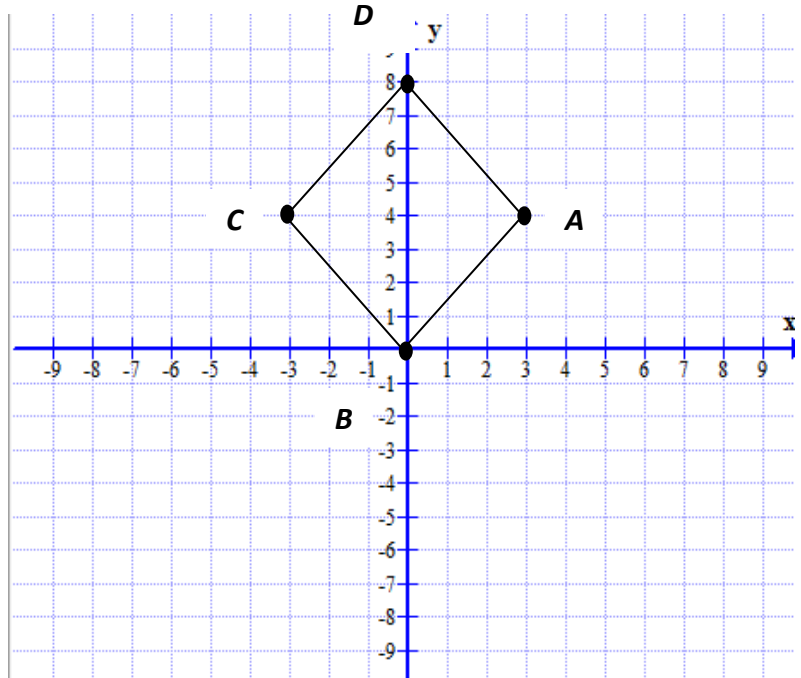
a) Complete:

A(.....,.....)

B(.....,.....)

C(.....,.....)

D(.....,.....)



b) Find:

1) The length of AC =

2) The length of BD =

3) THE area of the rhombus ABCD =

(Note : area of rhombus =  $\frac{1}{2} \times d_1 \times d_2$ )

#### 5- in the coordinate plane :

Determine the position of the following points

A (-1, -4) , B (-1 ,3) and C (5 , -4) , then find :

a) The length of each of  $\overline{AB}$  ,  $\overline{AC}$

b) The type of the triangle ABC with respect to its angles

c) The area of the triangle ABC

**6- in the opposite coordinates plane :**

a) EFGH is a rectangle ,complete :

E(.....,.....) ,F(.....,.....) ,

G(.....,.....) , H(.....,.....)

b) EF=

FG=

GH=

HE=

c) The area of the rectangle =

