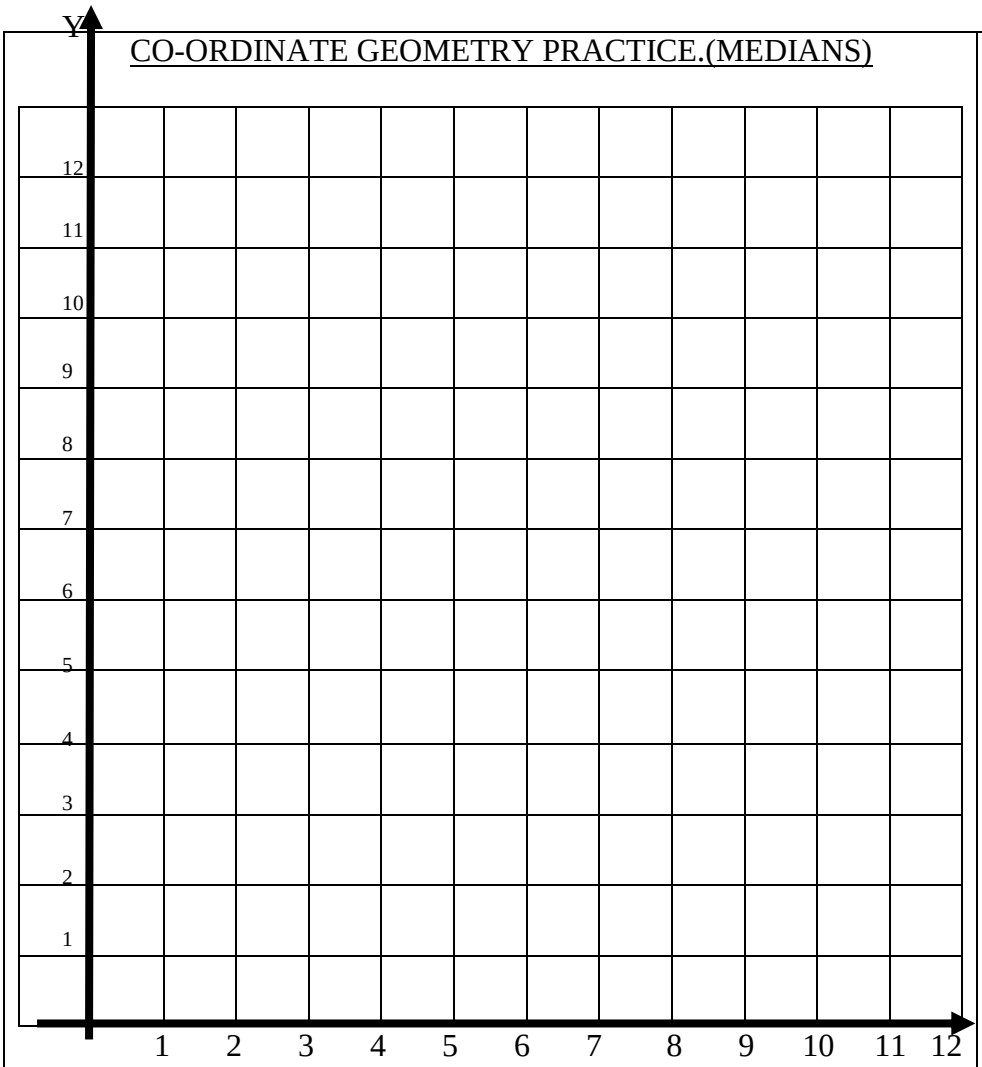
CO-ORDINATE GEOMETRY PRACTICE.(MEDIANS)




1. Draw triangle ABC where A is ( 6, 1) B is ( 12, 7) and C is ( 0, 13)

2. Find the gradients of:

(i) AB =

(ii) BC

(iii) CA

3. Find the Mid Points of :

(i) AB

(ii) BC

(iii) CA

4. Find the lengths of :

(i) AB

(ii) BC

(iii) CA

5. Find the equations of :

(i) AB

(ii) BC

(iii) CA

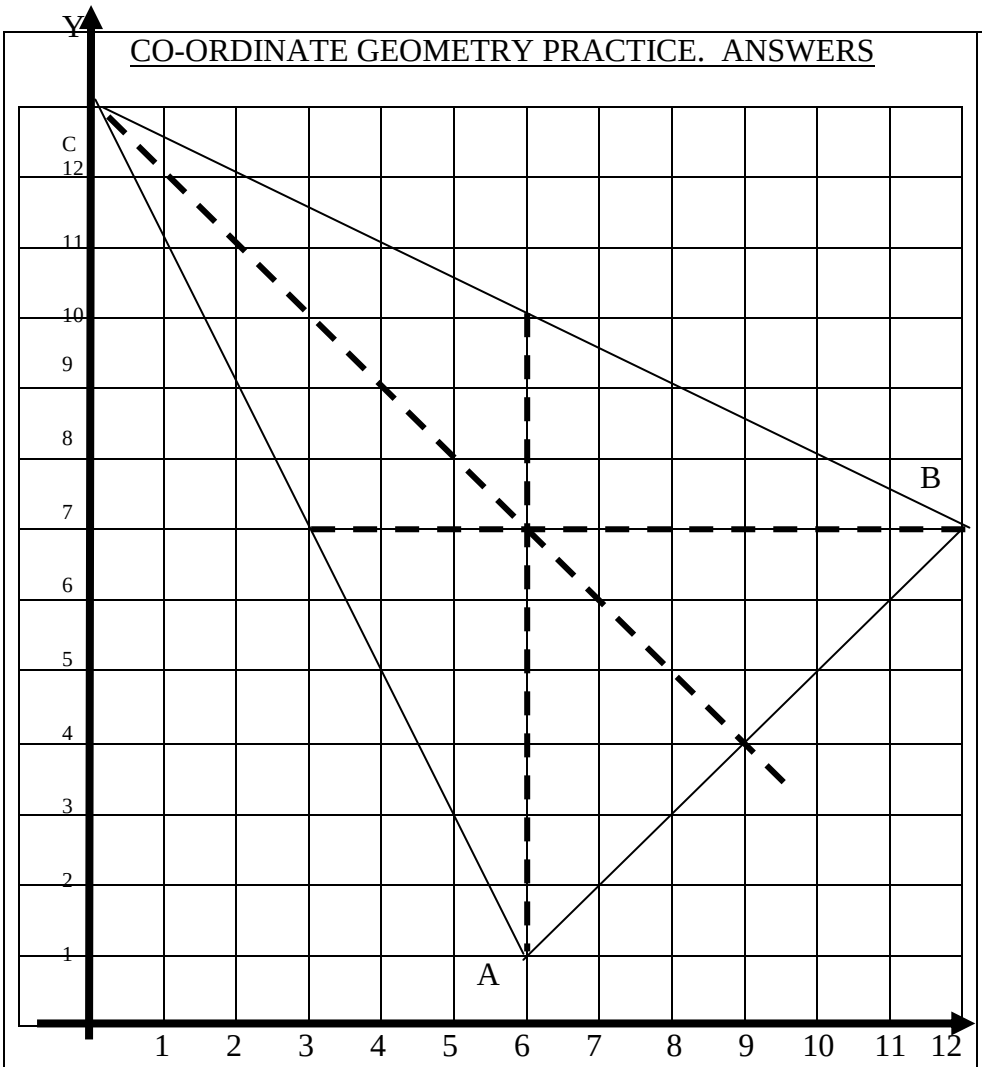
5. Find the equation of the median from :

(i) A to BC

(ii) B to AC

(iii) C to AB

CO-ORDINATE GEOMETRY PRACTICE. ANSWERS




1. Draw triangle ABC where A is ( 6, 1) B is ( 12, 7) and C is ( 0, 13)

2. Find the gradients of:

(i) AB = 1

(ii) BC = $-\frac{1}{2}$

(iii) CA = – 2

3. Find the Mid Points of :

(i) AB = ( 9, 4 )

(ii) BC = ( 6 , 10)

(iii) CA = ( 3 , 7 )

4. Find the lengths of :

(i) AB = $\sqrt{72}$
= 8.49

(ii) BC = $\sqrt{180}$
= 13.4

(iii) CA = $\sqrt{180}$

= 13.4

5. Find the equations of :

(i) AB

$y = x - 5$

(ii) BC

$y = -\frac{1}{2}x + 13$

(iii) CA

$y = -2x + 13$

5. Find the equation of the median from :

(i) A to BC

$x = 6$

(ii) B to AC

$y = 7$

(iii) C to AB

$y = -x + 13$