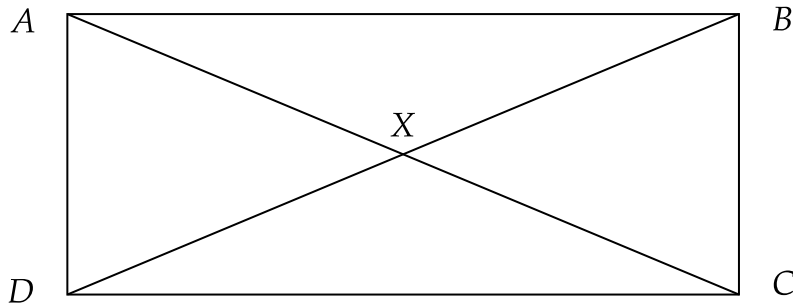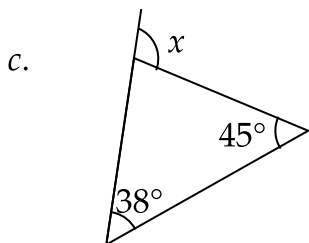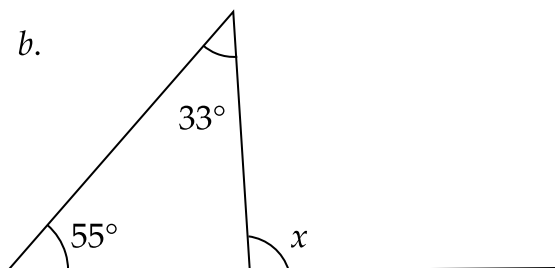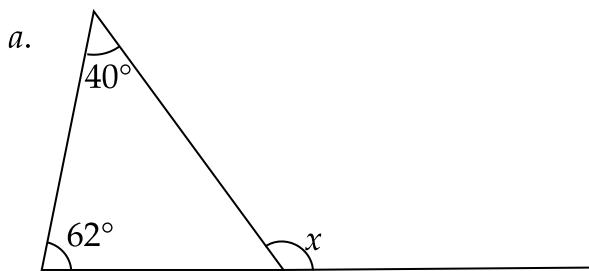
1.   Name all the triangles in the following figure :

2.   Find the value of the exterior angle in the following figures :

a.

b.

c.

3.   Is it possible to have a triangle with following sides :
   i) 2cm, 3cm, 4cm
   ii) 2cm, 7cm, 12cm
   iii) 3cm, 9cm, 10cm
   iv) 9cm, 6cm, 15cm

4.   The lengths of the sides of the triangle are 3cm, 4cm and 9cm . Is the triangle a right angled triangle ?

5. Find the length of the third side in the following figure :

$8cm$

x

$6cm$

6. PQR is a triangle , right angled at Q . If PQ = $12cm$ and QR = $5cm$. Find PR.