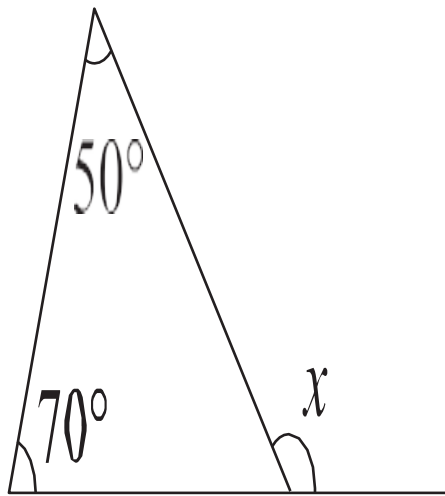


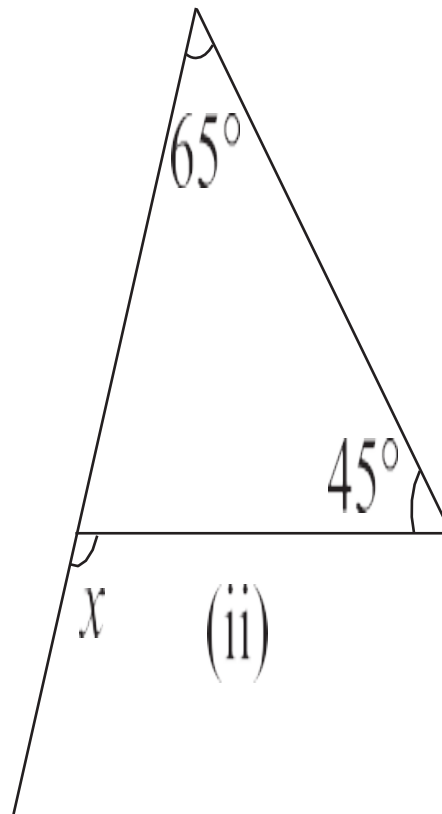
Worksheet -2

- 1. An exterior angle of a triangle is of measure 70° and one of its interior opposite angles is of measure 25° . Find the measure of the other interior opposite angle.
- 2. The two interior opposite angles of an exterior angle of a triangle are 60° and 80° . find the measure of the exterior angle.
- 3. Can The exterior angle of a triangle be a straight angle?

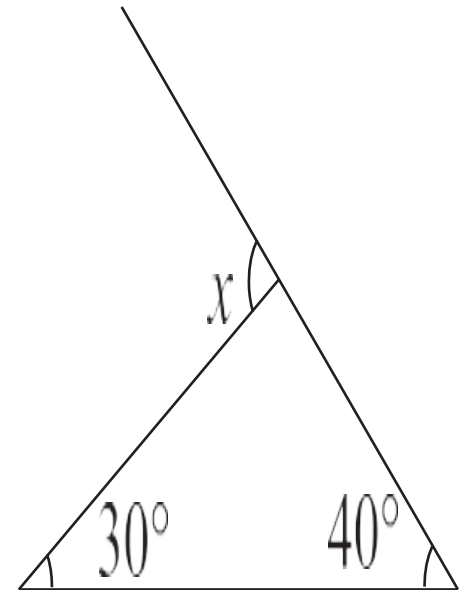
4. Find the value of the unknown exterior angle x in each of the following.



(i)

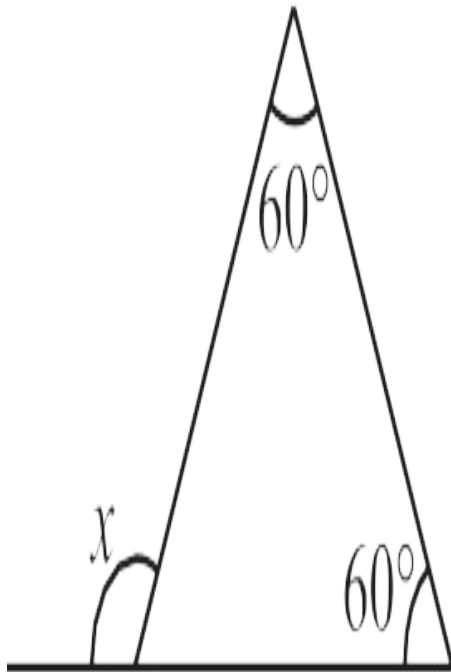


(ii)

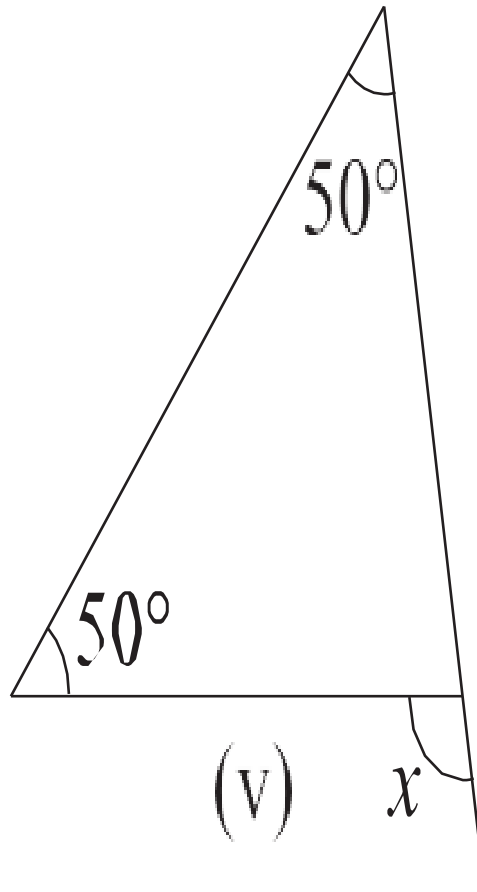


(iii)

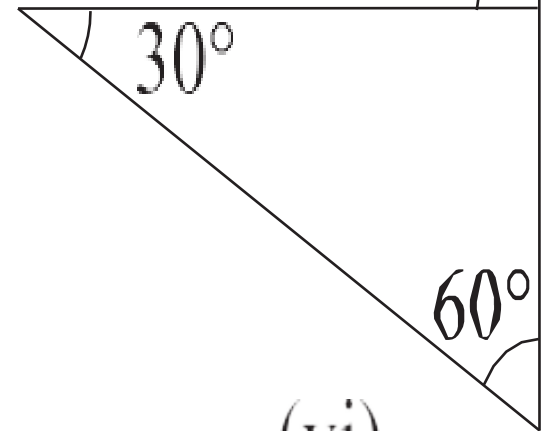
Question no. 4 continued



(iv)

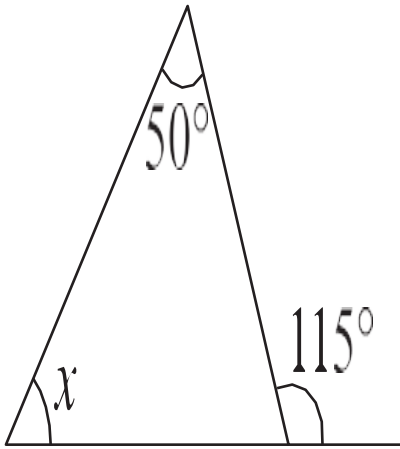


(v)

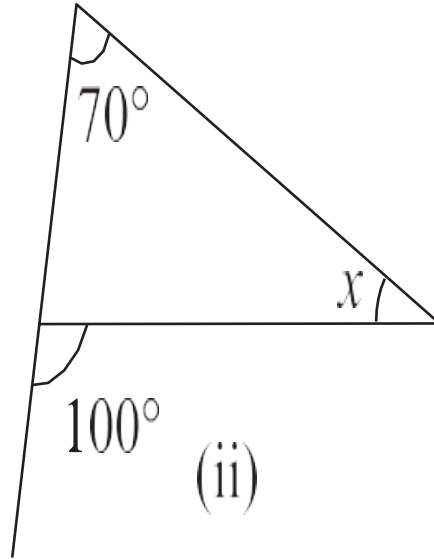


(vi)

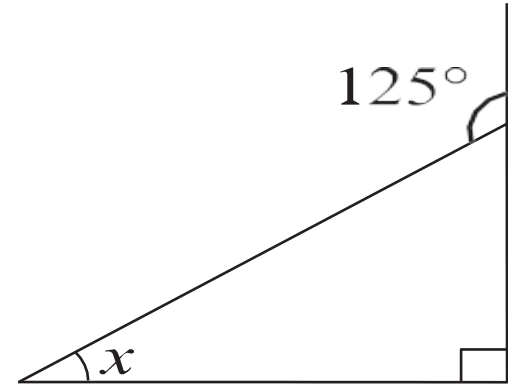
5. Find the value of the unknown interior angle x in the following figures:



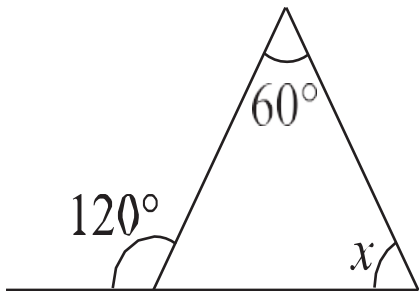
(i)



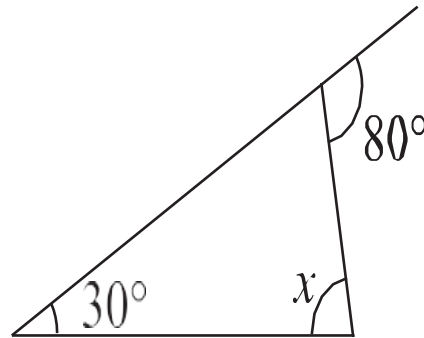
(ii)



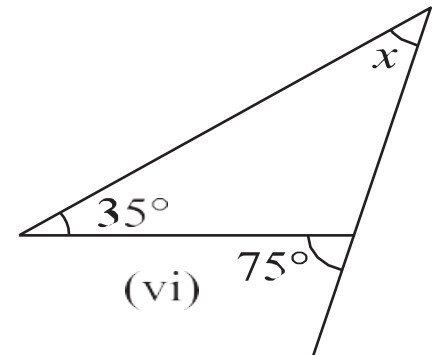
(iii)



(iv)



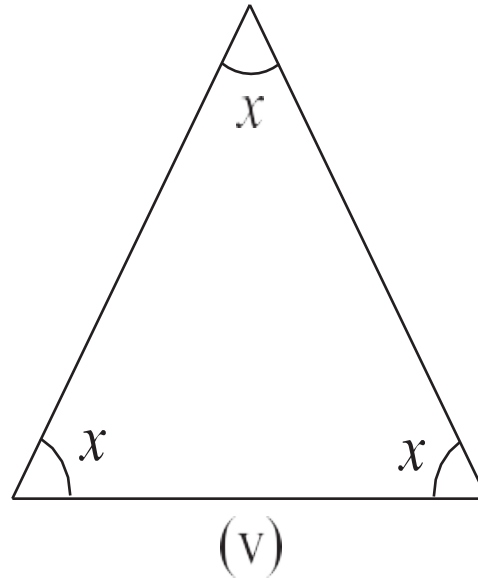
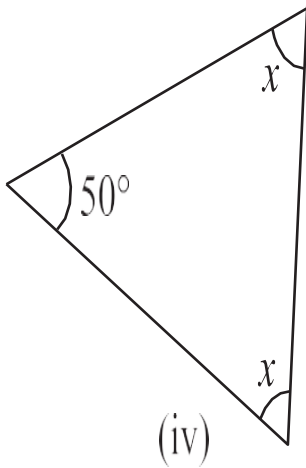
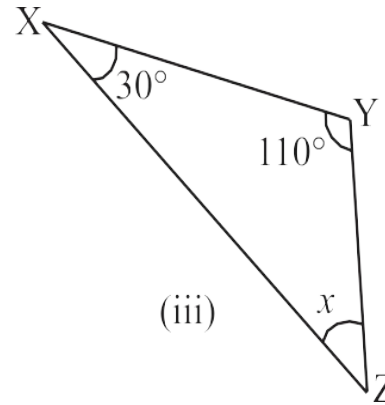
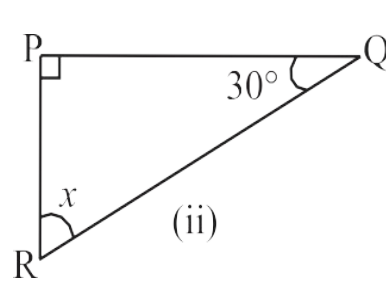
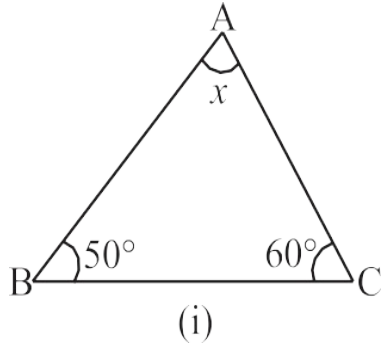
(v)



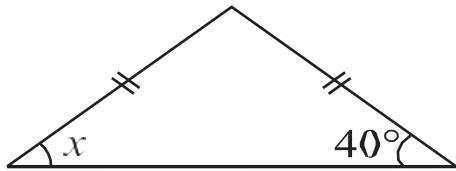
(vi)

6. Two angles of a triangle are 30° and 80° . find the third angle.
7. One of the angles of a triangle is 80° and the other two angles are equal . Find the measure of each of the equal angles.
8. The three angles of a triangle are in the ratio 1:2:1. Find all the angles of the triangle .

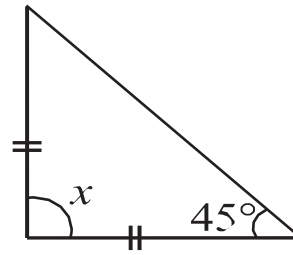
9. Find the value of x in the following diagrams:



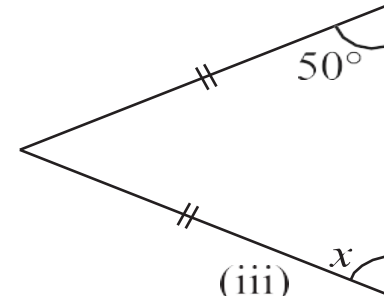
10. Find the value of x .



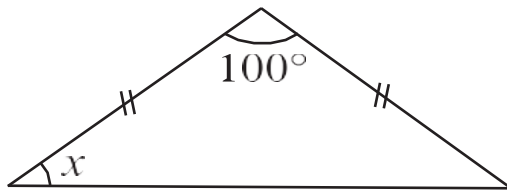
(i)



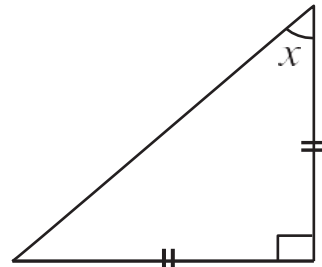
(ii)



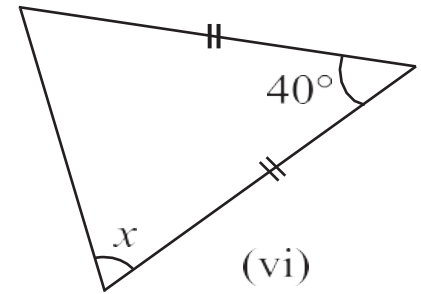
(iii)



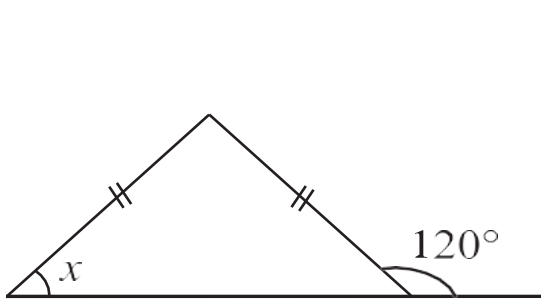
(iv)



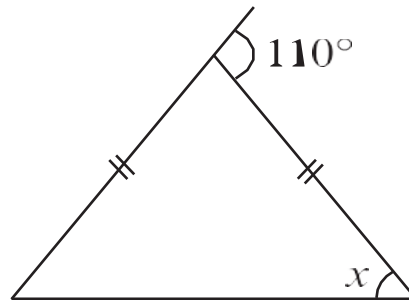
(v)



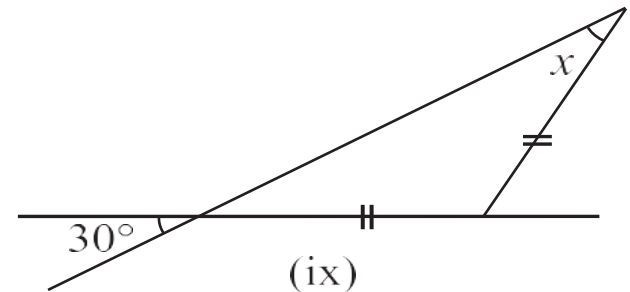
(vi)



(vii)



(viii)



(ix)