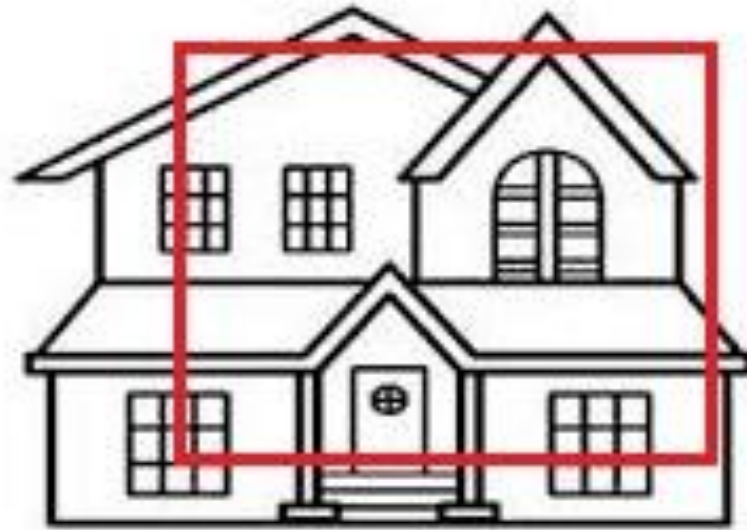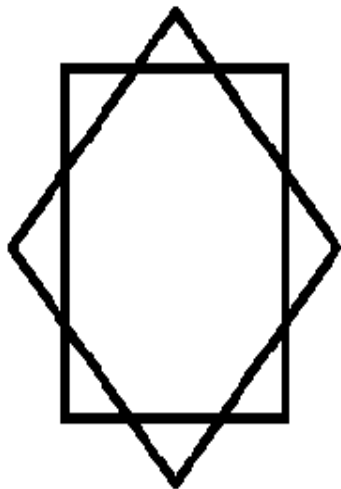**Answer all the following questions:**
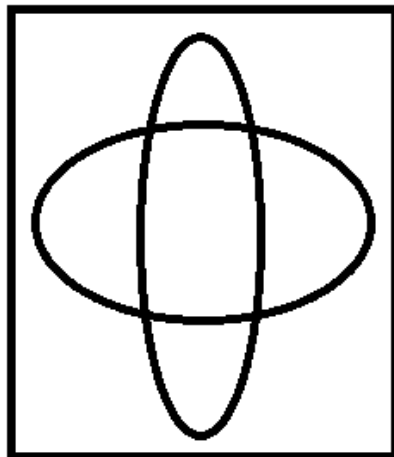
1. Draw the following diagram using Cohen-Sutherland Line Clipping algorithm. At first show the full diagram and then clip the diagram and show only   10
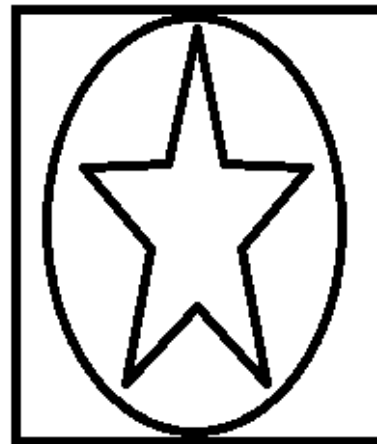   the portion in rectangular screen as following.

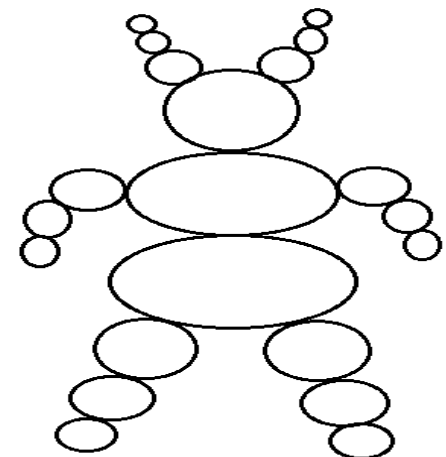2. Draw the following diagrams using DDA line, Circle and Ellipse draw algorithm as required.   20
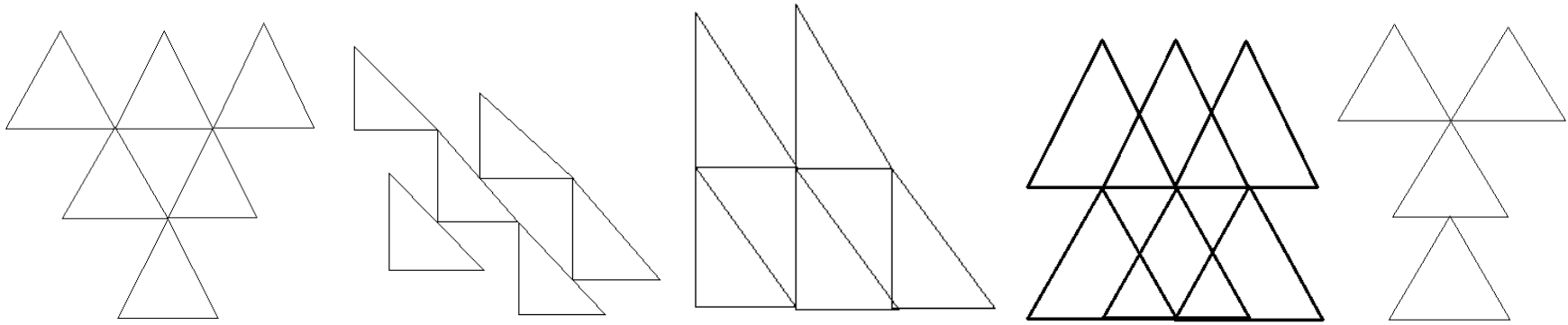

| 2.5 | 2.5 | 5 | 10 |

3. Draw the following diagram using translation.

4. Draw a triangle where A (250,30), B (150,140) and C (350,140) and then scaled the triangle using Sx=1.5 and Sy=0.75.   2.5

5. Draw a triangle where A (350,30), B (290,130) and C (510,130) and then rotate the triangle using angle, Θ=75^0.   2.5