

STANDARD HIGH SCHOOL
S.2 TECHNICAL DRAWING 2020
PAPER 1

Instructions

Attempt all questions

1. a) Fig. i shows a circle of diameter 56mm and a point P. construct a tangent to the circle from P.

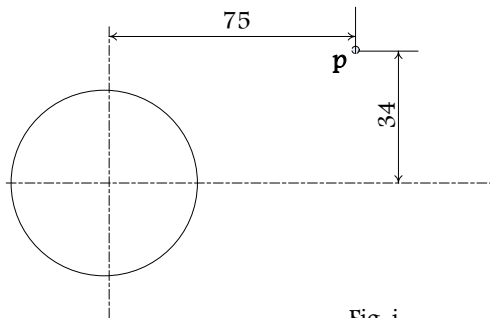


Fig. i

- b) Construct the drawing given in figure 2 and show properly the centers for the tangential arcs

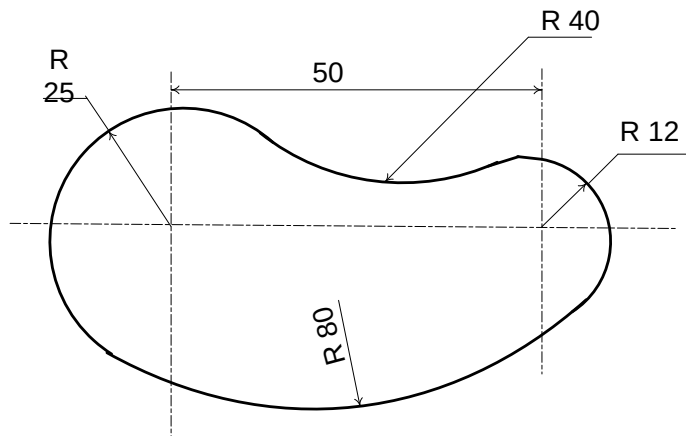
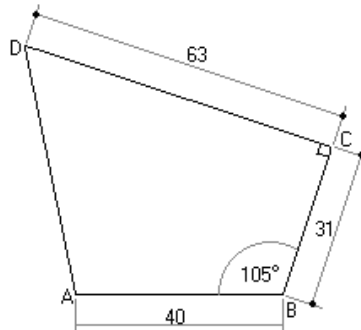


Fig 2

2. a) A triangle XYZ has its sides XY, YZ and XZ given in a ratio of 3: 2 : 2 ½ and XY +YZ + XZ = 212mm.
i) construct the triangle

- ii) using geometrical methods only inscribe a square in the triangle
- b) In a triangle of side 60mm inscribe 3 circles to touch each other and also to touch two sides of triangle.

- C) The figure below shows a quadrilateral ABCD. Draw a figure similar to the given the ratio of side 5:4.



2. Make the isometric drawing of the given block

