

QUIZ 2

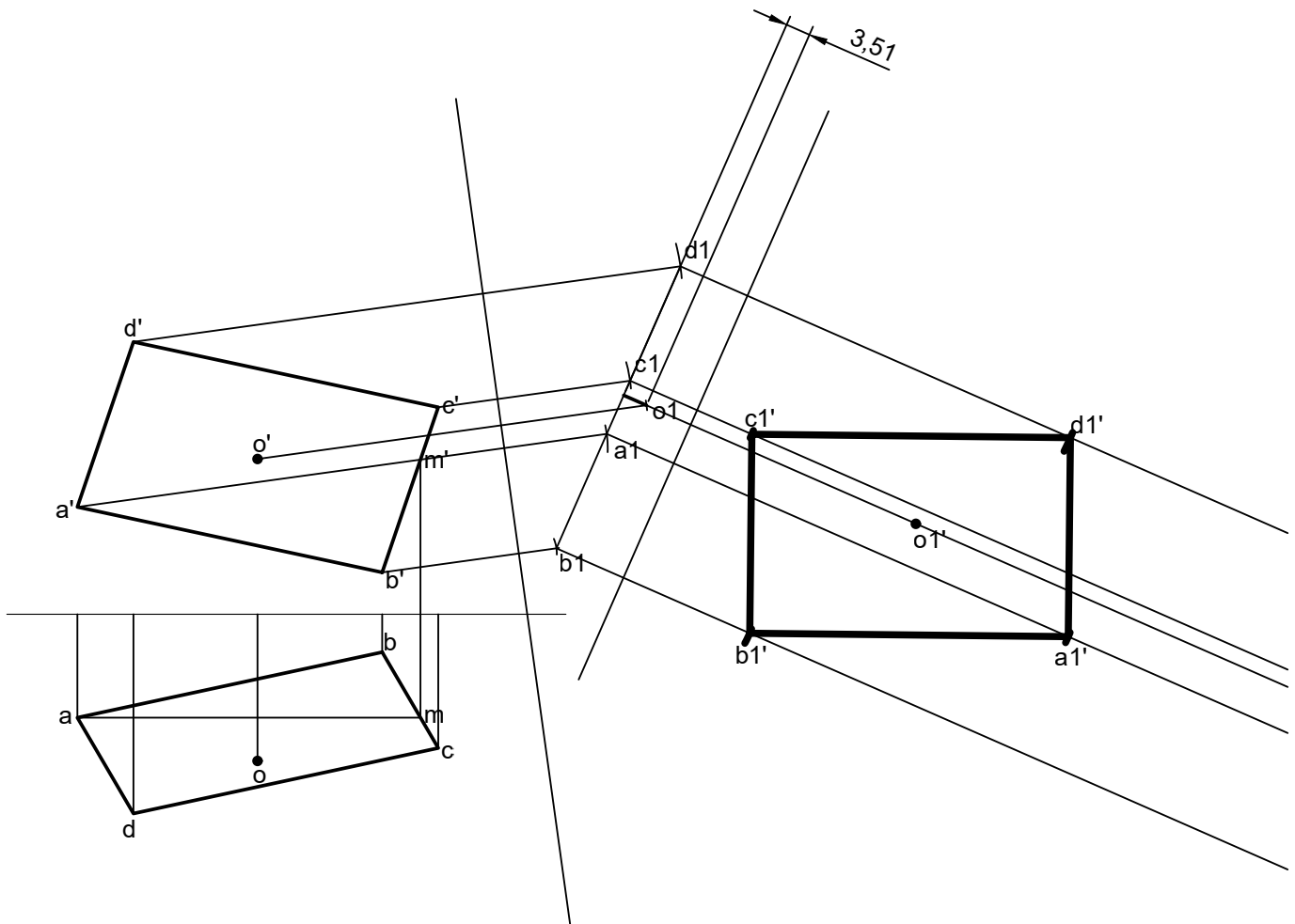
[Total:20 Marks]

Name Entry No. Group No.

Q1. Orthographic projections of a plane ABCD and a point O are given below. Find the following:

- a) Area of a plane ABCD.
- b) Perpendicular distance between Point O and Plane ABCD.
- c) Locate the point O on true shape of plane ABCD.

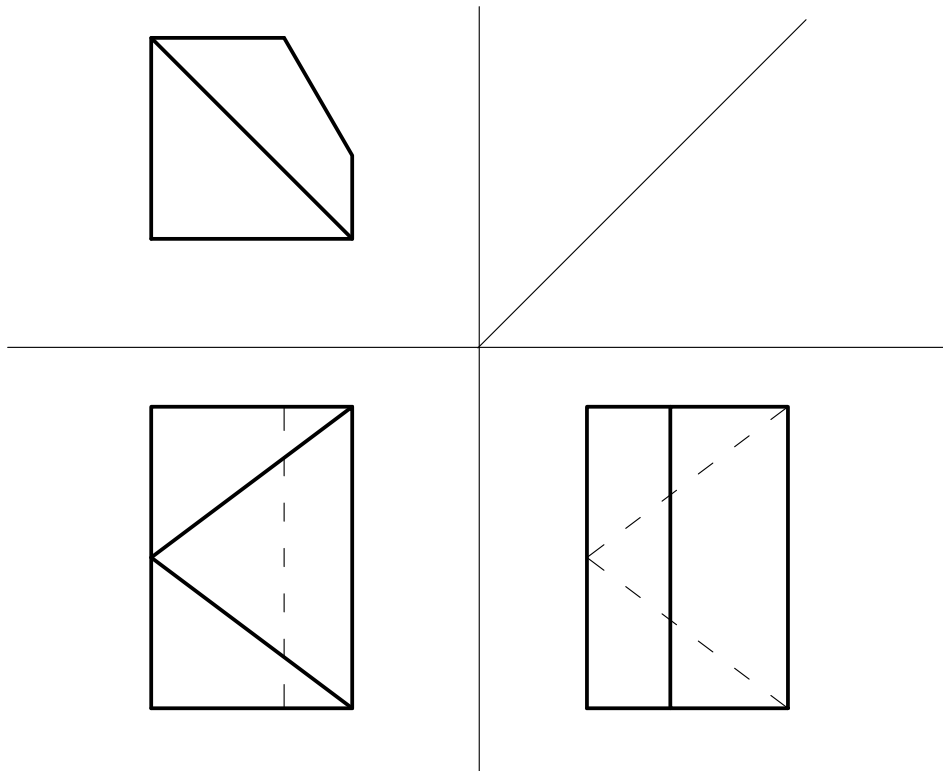
[10 Marks]



- a) Area of a plane ABCD. (1254.4 mm^2) ($44.8\text{mm} * 28 \text{ mm}$)
- b) Perpendicular distance between Point O and Plane ABCD. (3.51 mm)
- c) Locate the point O on true shape of plane ABCD. (Shown with o1)

Q2. Draw the missing view.

[5 Marks]



Q3. Orthographic projections of a line XY are given below. Find the true length of the line XY and true angle with V.P.

[5 Marks]

True Length of XY = Length $x''y'' = 57.56$ mm

True Angle with V.P = 29°

