

# GEOMETRY

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## 1 PROBLEM 1

1. Find the equation of the plane with an intercept 3 on the Y-axis and parallel to ZOX- Plane.

SOLUTION:

Equation of the ZOX plane is  $y = 0$

any plane parallel to it is of the form  $y = a$

since the y- intercept of the plane is 3.

$\therefore a=3$

Thus, the equation of the required plane is  $y = 3$