

**Q45.** The points (3,4) and (2, -6) are situated on the\_\_\_\_\_ of the line  $3x - 4y - 8 = 0$ .

**Sol:** Given line is  $3x - 4y - 8 = 0$

For point (3, 4),  $3(3) - 4(4) - 8 = -15 < 0$

For point (2, -6),  $3(2) - 4(-6) - 8 = 22 > 0$

Hence, the points (3,4) and (2, -6) lies on opposite side of the line.