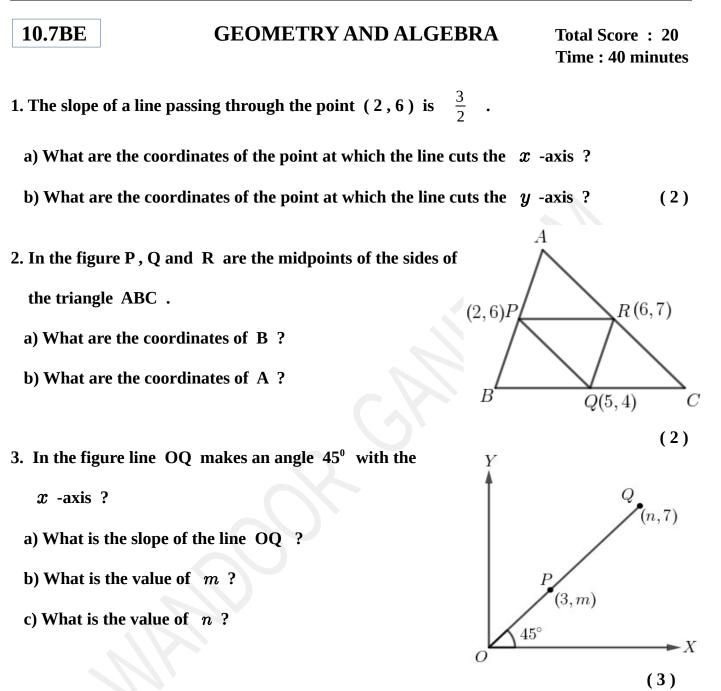
## WANDOOR GANITHAM - S S L C UNIT TEST 2021



4. A circle is drawn with the line joining (1,4) and (9,8) as diameter . The ends of a chord of this circle are A(1,8) and B(3,2) .

- a) What are the coordinates of centre of the circle ?
- b) What are the coordinates of midpoint of the chord AB ?
- c) What is the distance between the centre of the circle and the chord AB? (3)

- 5. The vertices of a triangle are A(2,3), B(5,0) and C(7,8).
  - a) What is the length of AB ?
  - b) Prove that ABC is a right triangle ?
  - c) What are the coordinates of the centre of the circumcircle of the triangle ABC ? (5)

