## **5G Length of Line Segments**

1. Find the distance between the coordinates (2,3) and (5,7)

- 2. The straight line  $l_1$  with equation 4x y = 0 and the straight line  $l_2$  2x + 3y 21 = 0 intersect at point A.
- a) Work out the coordinates of A.

b) Work out the area of triangle AOB, where O is the origin and B is the point where  $l_2$  meets the x-axis.