

Specimen P1 Q9

9. (a) AB is a line parallel to the line with equation  $y + 3x = 25$ .  
A has coordinates  $(-1, 10)$ .  
Find the equation of AB.
- (b)  $3y = x + 11$  is the perpendicular bisector of AB.  
Determine the coordinates of B.

Answers

(a)  $y - 10 = -3(x + 1)$

(b)  $B(3, -2)$