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) \( B(3, -2) \)