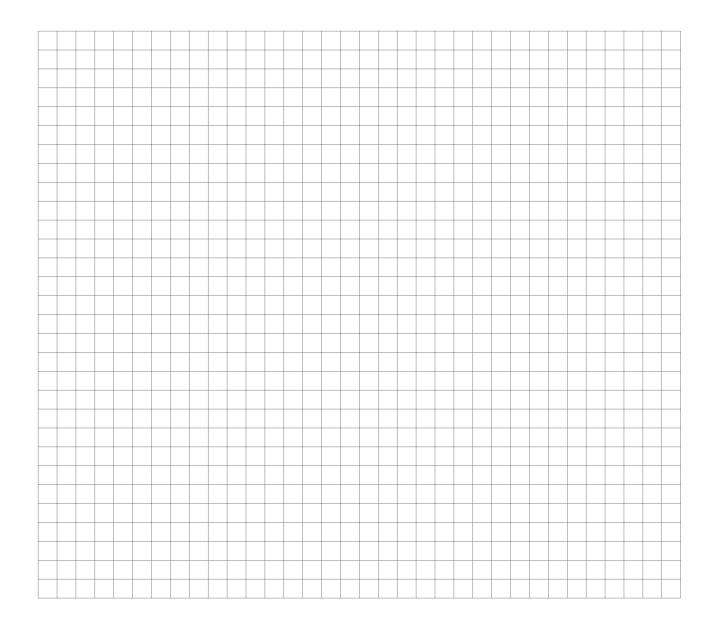
Name: Result: Group B

1. (6 points)

Consider points A(-1,3) and B(5,-1).

- (a) Find the equation of the line l passing through A and B.
- (b) Find the equation of the line k parallel to l and passing through (3,4).
- (c) Find the equation of the perpendicular bisector of the line segment AB.



2. (6 points)

Consider the line with equation 3x - 4y = 24

- (a) Find the axes intercepts of the line.
- (b) Determine whether the following points lie on the line:
 - (i) (12,3)

- (ii) (-4, -9)
- (ii) (5, -5)
- (c) Find c such that (c, -3) lies on the line.
- (d) Sketch the line, showing your results from previous parts.

