

4. The line  $l_1$  has equation  $4y - 3x = 10$

The line  $l_2$  passes through the points  $(5, -1)$  and  $(-1, 8)$ .

Determine, giving full reasons for your answer, whether lines  $l_1$  and  $l_2$  are parallel, perpendicular or neither.

(4)