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Show work needed to justify your answer.

Date:

HW: #7: Math IBSL - Standard 7 - Gradient of a Linear Function

5 points

Determine whether lines 1 and 2 which pass through the given points are parallel, perpendicular or neither.

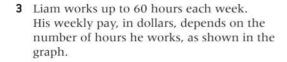
a Line 1: (3,6) and (6,11) Line 2: (4,-1) and (9,2)

b Line 1: (5,-1) and (3,7) Line 2: (-1,4) and (0,0)

2 Find the gradient of the line passing through the given points:

a (4,8), (8,11)

b (-2,2), (4,-4)



- **a** Find the gradient for each line segment in the graph.
- **b** Explain the meaning of each gradient in the context of Liam's work.

