Slope of a line-Test

Part A: Fill in the blanks.

- 1. For a line, the ratio of the change in y to the change in x is the _____ of the line.
- 2. The gradient of a line is $\frac{3}{2}$. This means that for every 1 unit moved horizontally, the line moves_____ units upwards.
- 3. The gradient of a line is -2. This means that for every 1 unit moved horizontally, the line moves_____ units downwards.

Part B: Short-answer questions.

1. Find the slope of the line.



- 2. Find the slope of a line that passes through the given points.
- a. (2,-2) and (5,7)
- b. (8,3) and (8,6)
- c. (2,-7) and (-1,6)

3. A factory makes cars at a constant rate. Based on the table, what is the slope of the line?

Time (h)	0	5	8	12	24
Number of Cars	0	130	208	312	624

Part C: Draw a line with the given slopes. a. slope $\frac{2}{3}$.



b. slope -5.

