Chapter 1 Section 5 MA1032 Data, Functions & Graphs

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Example

Suppose I have two lines, A and B. Two points on line A are (0,5) and (1,7). Two points on line B are (2,-1) and (4,3). Without using a graph, show that the two lines are parallel.

Example

Suppose I have two lines, A and B. Two points on line A are (0,5) and (1,7). Two points on line B are (2,-6) and (4,-7). Without using a graph, show that the two lines are perpendicular.

Horizontal Lines



Vertical Lines



A power company offers residents of a certain area the following options for supplying electric power.

- Option 1: A flat fee of \$180 per month regardless of how much power you use.
- Option 2: A flat fee of \$50 per month plus \$0.12 per KWh.
- Option 3: \$0.21 per KWh with no flat fee imposed.

Summary

- Parallel & perpendicular lines
- e Horizontal & vertical lines
- Intersection of two lines