

## UNIT 5 – LINEAR RELATIONS 1

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### Learning Goals:

- determine the properties of slope
- determine the relationship between the form of an equation and the shape of its graph with respect to linearity and non-linearity;

### Success Criteria:

- compare the properties of direct variation and partial variation in applications, and identify the initial value
- Determine various formulas for the slope of a line segment or to determine the slope of a line segment or a line;
- determine connections among the representations of a constant rate of change of a linear relation
- identify, through investigation, properties of the slopes of lines and line segments

Day	Lesson	Text Ref.	Assigned Work	Done ✓
1	First Differences	5.5	Pg. 275 – 278 # 1, 2, 3, 5 (no equation required), 6ab, 9	
2	Slope	5.3	Pg. 259 – 263 # 1, 3, 5, 7, 9, 11, 13, 15, 19	
3	Slope as a Rate of Change	5.4	Pg. 268 – 271 # 1, 3, 5, 7, 9, 11, 13, 14, 18	
4	<b>QUIZ</b> Direct Variation	5.1	Pg. 242 – 244 # 1, 3, 5, 7, 9, 10, 12, 14	
5	Partial Variation	5.2	Pg. 250 – 253 # 1, 3, 5, 7, 9, 12, 14	
6	Connecting Variation, Slope and First Differences	5.6	Pg. 284 – 287 # 1, 2, 5, 7, 9, 10, 13, 16	
7	Review		Pg. 288 – 289 #1 – 16 Pg. 290 # 1 – 10	
8	<b>TEST</b>			