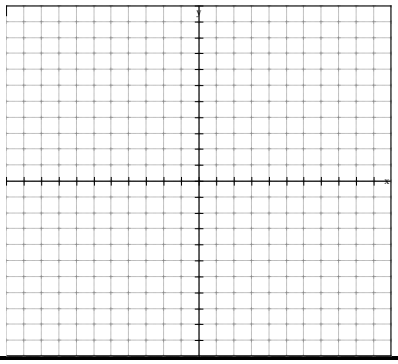
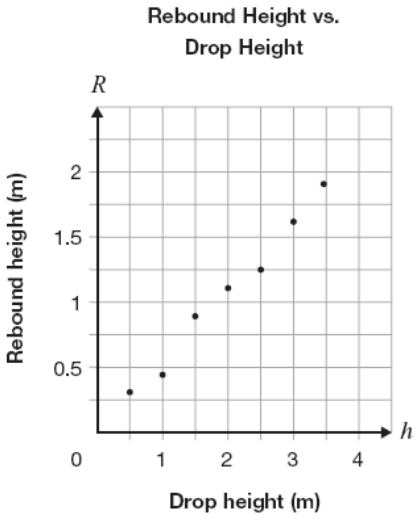
Unit 4: Graphing Relations **Name: _____**
UNIT GUIDE and TICKET OUT

	Concept/Skill	Self Tracking	Practice Problems
1	**Graphing Using a Table of Values** For the relation $y = 2x - 3$, complete a table of values and draw the graph. 	☐ I'm an expert ☐ I need a bit more practice ☐ I will get extra help	p.122-123 #16, 21, 24
2	**Identifying Properties of Linear Relations (First Differences)** Determine whether each relation is linear or non-linear x | y 1 | $\frac{1}{3}$ 2 | $\frac{2}{3}$ 3 | 1 4 | $\frac{4}{3}$ x | y 0 | 5 5 | 7 10 | 10 15 | 14 x | y 1 | 2 2 | 4 3 | 8 4 | 16	☐ I'm an expert ☐ I need a bit more practice ☐ I will get extra help	p.145-146 #1, 2, 5, 6
3	**Interpreting the Meaning of Points on a Scatter Plot (in more than one quadrant) and Describing Trends and Relationships** a) **For the graph in #5, describe the trend.** b) **For the graph in #5, describe the relationship.** c) **Explain what the point (2.5, 1.25) means.**	☐ I'm an expert ☐ I need a bit more practice ☐ I will get extra help	p.63-64 #3, 4, 6-8 p.107 #1-5
4	**Constructing Lines and Curves of Best Fit** Draw a line or curve of best fit for the following graph.  If the trend continues, predict what the rebound height will be if a ball is dropped from 4.5m.	☐ I'm an expert ☐ I need a bit more practice ☐ I will get extra help	p.69-70 #4-7, 8cd,11, 12 W/S 3B
5	**QUIZ**		

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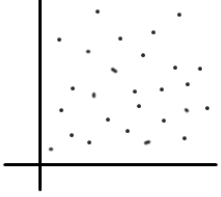
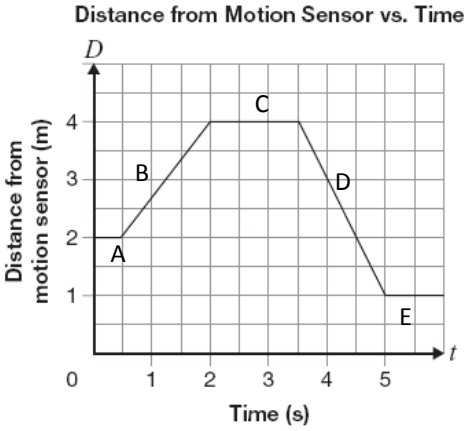
6	**Interpreting Correlation** Describe the correlation of the following scatter plots: a)  b)  c) 	☐ I'm an expert ☐ I need a bit more practice ☐ I will get extra help	p.75-76 #1, 3-7, 11, 12
7	**Describing a Situation that would explain the Events Illustrated by a Graph** Tyler walks along a line leading from a motion sensor. The graph below shows information about Tyler's walk.  Describe Tyler's journey (direction and speed) at each stage: **Section of Journey** / **Speed** / **Direction** **A** **B** **C** **D** **E**	☐ I'm an expert ☐ I need a bit more practice ☐ I will get extra help	p.199-202 #1-4, 7 Assignment
8	**Story Assignment – in the COMPUTER LAB**		
9	**Carrying Out an Investigation by Posing a Problem, Identifying Variables, Formulating Hypotheses**		Assignment/ In-class activity
10	**Review**		p. 167 #7, p.173 #18, 19, p. 238 #4, p.95-96 #17-22, p.99-100 #1, 4,5a (draw line of best fit), efg, 8 (plot data and draw line of best fit), p.177 #3
11	**TEST**		

***Graph paper is necessary for this unit. It is your responsibility to purchase it or print copies of grids from wci.wrdsb.ca > Academics > Mathematics > WCI Math Courses and Grids.**