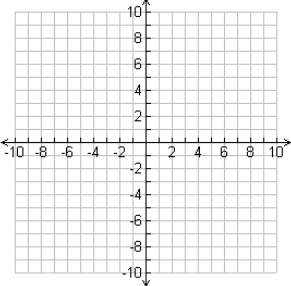
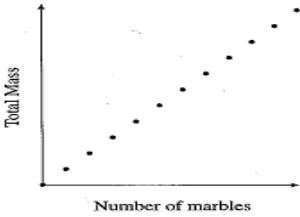
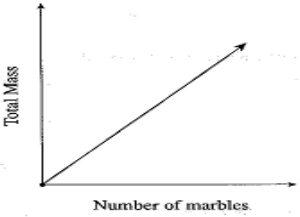
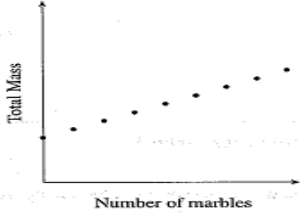
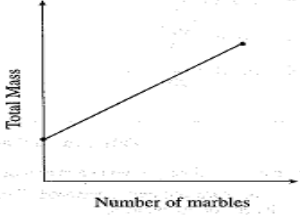


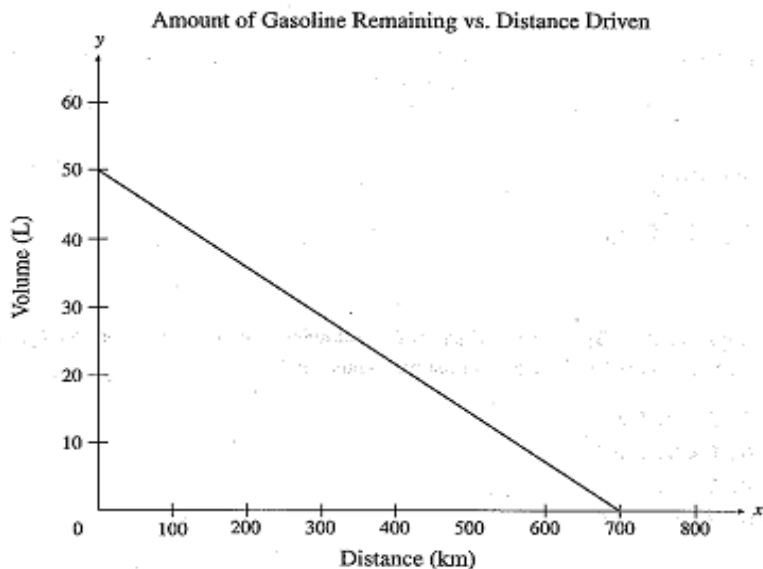
By the end of the unit, it is expected that you will:	☺ EXCELLENT	☹ LOOK OVER	☹ NO CLUE
<p>C3. Demonstrate an understanding of slope with respect to:</p> <ul style="list-style-type: none"> • rise and run • line segments and lines • rate of change • parallel lines • perpendicular lines <p>QUESTIONS:</p> <p>1. Show that the points A(-3,1), B(-2,-2), C(2,-1) and D(1,2) are the vertices of a parallelogram.</p> <div style="text-align: center;">  </div> <p>2.</p> <p>A line has a slope of $\frac{2}{3}$ and passes through the point (6, 0). Which of the following points must also be on the line?</p> <p>A. (-3, -6) B. (3, 8) C. (4, -3) D. (9, 3)</p>			
<p>C4. Describe and represent linear relations, using:</p> <ul style="list-style-type: none"> • words • ordered pairs • tables of values • graphs • equations. <p>QUESTIONS:</p> <p>1. An apartment building is worth \$998 000. The owner expects the property value to double over the next 4 years. Find the yearly increase over the next 4 years.</p> <p>2.</p> <p>Marbles are placed in a jar one at a time. Which graph below best represents the total mass of the jar and marbles as the marbles are added?</p> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <p>A.</p>  </div> <div style="width: 50%;"> <p>B.</p>  </div> <div style="width: 50%;"> <p>C.</p>  </div> <div style="width: 50%;"> <p>D.</p>  </div> </div>			

C5. Determine the characteristics of the graphs of linear relations, including the:

- intercepts
- slope
- domain
- range.

QUESTIONS:

1. An apartment building is worth \$998 000. The owner expects the property value to double over the next 4 years. What's the domain and range?
- 2.



The graph above shows the relationship between the amount of gasoline remaining in a 50 L tank and the distance driven for a certain car.

What does the *x*-intercept represent in this situation?

- fuel capacity of the gasoline tank
- total distance travelled during a long trip
- total distance driven until the car is out of gas
- number of kilometres driven per litre of gasoline

HOMEWORK

Textbook Section / Pages	MANDATORY	OPTIONAL
4.1 / p.156-159	1,2,3abefgh,4odd,5a,6,9	3,4 even, 5bc,7,8,10,11
4.2 / p.163-168	1abcdgi,2odd,3odd,5,7,12	1,2 even,3 even,4,6,8,13
4.3 / p.171-178	1odd,2acef,3,4abefij,5odd,6odd,7,10,11,12	1 even,2,4,5 even, 6 even,8
4.4 / p.181-183	1odd,3acde,6,8 (what do you notice about the slopes of each of the line segments?)	1 even, 2,3,7,9
4.5 / p.185-187	1,2,5,6,9	3,4,7,8
REVIEW / p.188-190	PRACTICE TEST / Chapter Review	1-14