5.6 Properties of Linear Relations

Make Connections: pg. 300



These three concepts represent the definition of all the points of a relation

* In a table of values, if the changes in x-	х	У
values are the changes in y- values will also be	0	8
	2	7
	4	6





ex. The cost for a car rental is \$60 plus \$20 for every 100 km driven. Identify that this is a linear relation with a table of values, a set of ordered pairs, a graph and an equation.



ex. Represent graphically the following:



A water tank on a farm near Swift Current, Saskatchewan, holds 6000 L.

Graph A represents the tank being filled at a constant rate. Graph B represents the tank being emptied at a constant rate.



- a) Identify the independent and dependent variables.
- b) Determine the rate of change of each relation, then describe what it represents.