tree	Kesponse	HW#	2
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Prologue Free Response Name

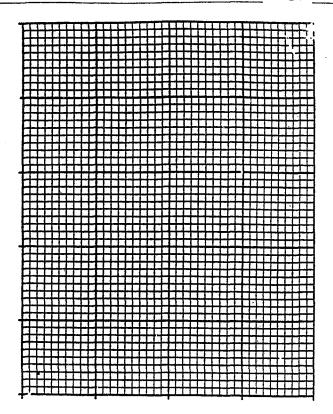
Per

1) Graph the data from the chart below on the graph to the right. The data shows the appearature of a sample of water as it was seated in a solar panel.

	Α	В
1	Time (hours)	Temp (°C)
2	0	·. 28
3	1	· 42
4	2	50
5	5	56
6	6	61
7	7 -	65
8	8	68
9	10	72



- b) Label each axis including units
- c) Title the graph
- d) Plot the data and construct the line



- 2) In the box below calculate the rate of change in temperature for the first 8 hours from the rate shown above. Do the following
 - 1. Write complete formula
 - 2. substitute data into equation (including units)
 - 3. solve with units

In one or more co	omplete sentences describe the typ	ne of relationship illustrated in the
raph above.	mplete defiteriood dedonibe the typ	or rolationomp muoticated in the

		s, solve with units) 4 cm	8 cm
			6 cm
			ove. Use your calculated with units, solve with units)
3) On the graphs sh	own below sketch t	he following types of rela	tionships
		he following types of rela Constant	
Direct // If the object in que	Inverse	Constant	

5) The diagram to the right shows a block of uniform material