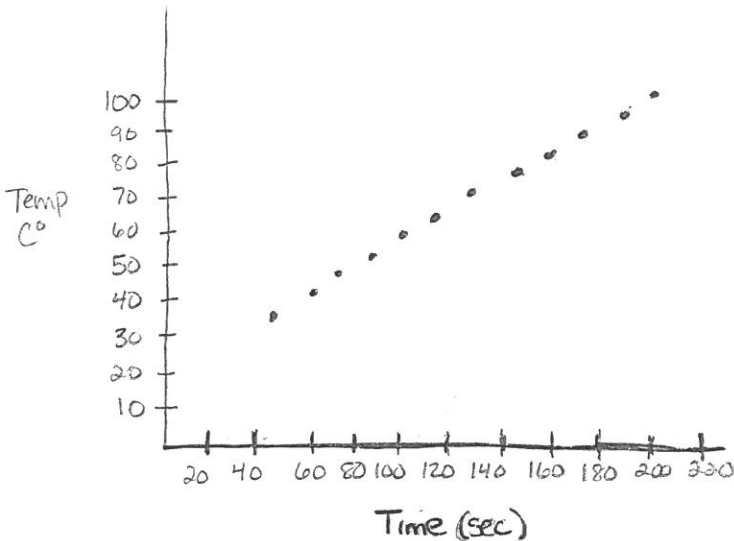


\* If residual plot is random, then good model.  
 If residual plot has pattern, then not good fit.

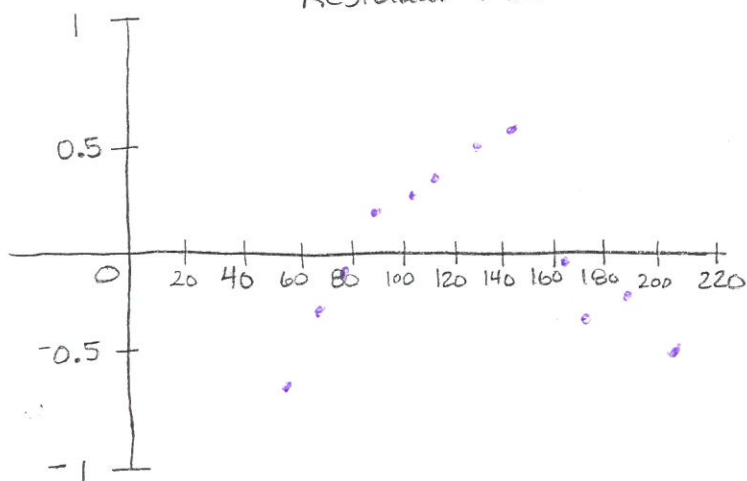
Notes 8-4: Residual Plot

Amy put some water in a pan and then turned the heat on high. The table shows the time in seconds and temperature of the water in degrees Celsius since she turned the heat on.

$L_1$	$L_2$	$L_3$	$L_4$	Residuals
Time (x)	Temp (y)	$\hat{y}$	$y - \hat{y}$	
49	35	35.681	-0.6814	
62	40	40.249	-0.2487	
76	45	45.167	-0.1674	
89	50	49.735	0.2652	
103	55	54.654	0.3465	
117	60	59.572	0.4278	
131	65	64.491	0.5091	
145	70	69.41	0.5904	
161	75	75.031	-0.031	
176	80	80.301	-0.301	
190	85	85.22	-0.2197	
205	90	90.49	-0.4898	



Residual Plot



\* Stat Plot must have  
 $L_1$  as x list  
 $L_2$  as y list

\* Stat Plot must have

$L_1$  as x list

residuals (whatever list YOU put them in) as y list