Biology 4605 /	7220
Quiz #3a	

Name	
	24 September 2003

- 1. Identify whether the following are Type I or Type II errors by circling the correct type.
- a. A drug company mistakenly concludes that a drug cures the common cold I II
- b. A cigarette company runs an experiment on 4 rats and concludes that that there is no increase in tumours in two rats exposed to tobacco smoke I II
- c. Initial reports of cold fusion cannot be repeated. The initial reports were:
- 2. Construct both cumulative frequency distributions from the following frequency distribution of ages of mothers of students in the quant. course in 1997.

T = age in years. n = number of students. F(T = k) is the frequency with which the quantity T is equal to the fixed value k, where k is the midpoint of each class.

		1997			
Age	k	F(T=k)	$F(T \leq k)$	$F(T \le k)/n$	F(T=k)  in  2003
15-20	17.5	2			2
21-25	23.5	10			7
26-30	28.5	11			12
31-35	33.5	8			4
36-40	38.5	1		<del></del>	2
41-45	43.5	1		<del></del>	0

3. Identify two differences between the distribution in 1997 and 2003.