Lecture Outline 9/20

- Mapping genes in human pedigrees
- · Mapping the centromere using tetrads

Announcements

I have posted a new homework assignment on the web page

First Exam is next Wednesday (9/28). Review session tomorrow at 4:30





















Calculate LOD score		
<u>R</u>	LOD	
0.01	-1.24	LOD is maximum around r=0.2, so that is the best estimate of linkage
0.1	1.22	
0.2	1.46	
0.3	1.23	
0.4	0.73	
0.5	0	









- In other work, they had also mapped the "hairless" gene (*hr*) using somatic cell hybrid mapping
 - Used the mouse *hr* gene to amplify the human gene sequence
 - They fused bits of human chromosomes to hamster cells, to find the fragments that corresponded to the mouse hairless gene it also manand to \$212
 - It also mapped to 8p12













