Say Lin	ادمط	DC	Poviou
Sex-Lin	кеа	PS	Keview

Name			
INGILIC			

1. Duchenne Muscular Dystrophy is a recessive, <i>sex l</i> carried on the X chromosome.	inked trait that is					
Mary is a carrier for Muscular Dystrophy (X ^D X ^d).						
Marcus does not have Muscular Dystrophy (X ^D Y).						
What are the chances they'll have children with M						
·						
Boys (XY):						
21.1 (22.2)						
Girls (XX):						
2.						
	Leona does not have Musc	ular Dystrophy and	is not a carrier.			
	Larry does have Muscular I	Dystrophy.				
	What is Leona's genotype?					
	What is Larry's genotype?					
	Will any of their children h	ave MD?				
	What fraction of their daug	ghters will be carrier	·s?			
		,				
3. Hemophilia is a recessive, sex linked trait that prev	vents blood from clotting.					
Victoria has hemophilia (X ^h X ^h)						
Nicholas is healthy (X ^H Y)						
What are the chances that Victoria and Nicho	ılas					
will have a child with Hemophilia?						
· ·						
Boys:	_					
Girls:	_					

Bonus: What was Victoria's father's genotype?_____

4.	Paige is a carrier for Peter does not have	·			
	What is Paige's ger	notype?	_		
	What is Peter's ger	notype?	_		
	Will any of their ch	ildren have hemophilia	?		
	What fraction of th	neir sons will have the c	lisease?		
5. Red	l-green colorblindne	ess, the most common t	type of colorblind disorder is sex l	inked, recessive.	
Sara is colorblind. What is her genotype?					
Scott is not colorblind. What is his genotype?					
What fraction of their sons will be colorblind?					
What fraction of their daughters will be colorblind?					
6.					
			Nancy is a carrier for being of Monroe is colorblind.	olorblind.	
			What is Nancy's genotype? _		
			What is Monroe's genotype		
	What fraction of their sons will be colorblind?				
			What fraction of their daugh	iters will be colorbli	nd?