## Genetics Review

1.	In humans, brown eye color (B) is dominant to blue eye color (b).	State the phenotypes for
	each of the following genotypes.	

(a) BB \_\_\_\_\_

(b) Bb \_\_\_\_\_

(c) bb \_\_\_\_\_

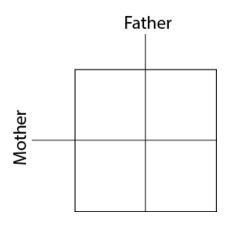
2. In horses, black coat color (B) is dominant to chestnut coat color (b). A heterozygous black coat male is mated with a chestnut coat female.

(a) Indicate the genotype of the male and the female horses.

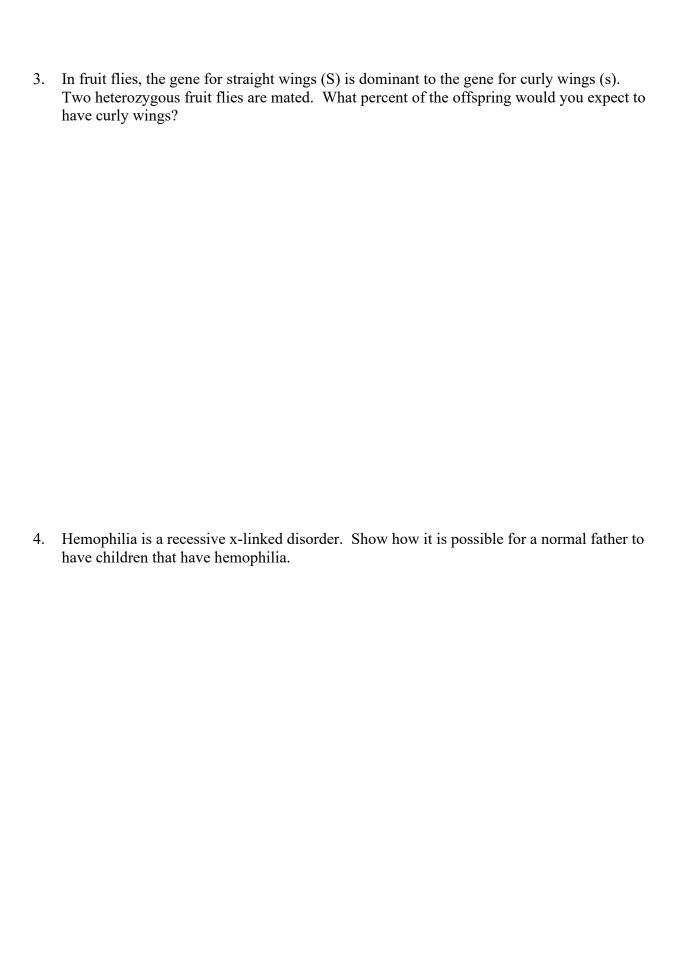
(i) Male: \_\_\_\_\_

(ii) Female:

(b) Complete the following Punnett square for the cross between these two horses.

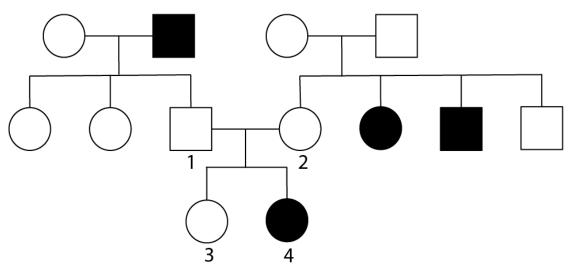


(c) What is the probability of a chestnut coat offspring?



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5. The following pedigree shows the transmission of an autosomal recessive disorder.



Credit: Madibc68 (CC BY-SA 4.0)

Indicate the genotypes of the four labeled people. Use "A" for dominant and "a" for recessive.

	genotype
Person #1	
Person #2	
Person #3	
Person #4	

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