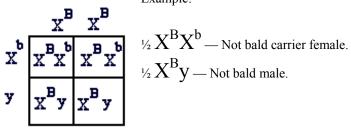
The players: B is not bald, b is bald.

Genotype:	$X^{B}X^{B}$	$X^{B}y$	$X^{B}X^{b}$	X ^b y	X^bX^b
Phenotype:	Not bald female	Not bald male	Not bald "carrier" female	Bald male	Bald female

Example:



- 1) Cross (mate) a bald male to a carrier female.
- 2) Cross a not bald male to a carrier female.
- 3) Cross a bald male to a not not bald female.
- 4) Cross a not bald male to a not not bald female.

Part II: Are you for another sex-linked challenge?

This time, lets look at hemophilia. Hemophilia is a genetic disorder where a person can not form a blood clot. Hemophilia is a recessive sex-linked trait. As you did in Part I, write the allele letter as a part of the X chromosome, like this:

$$X^H$$
 or X^h ; y stays blank.

Now lets look at some traits.

- 1) Cross (mate) a carrier female with a male without hemophilia.
- 2) Cross a carrier female with a male with hemophilia.
- 3) Cross a female with hemophilia with a male without hemophilia.
- 4) Cross a female with hemophilia with a male with hemophilia.

Part III: Now for a diffucult question?

1) If you're a guy, which member of your family should you look at to tell if you have baldness or hemophilia? Why? (Use a Punnett Square in your answer).