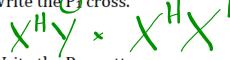
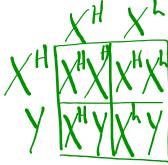
- Hemophilia, a blood clotting disorder, is caused by an X-inked recessive allele (h). What are the changes that the daughter of a normal man and a heterozygous woman will have hemophilia?
  - a. Write the allele symbols and indicate what trait they code for.



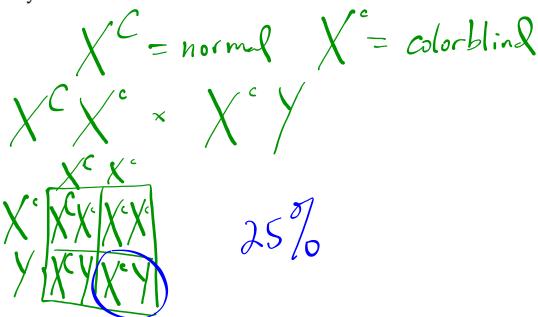
b. Write the Pr cross.



c. Write the Punnett square.



- d. Answer to the question: -0%
- 2. A recessive allele on the X chromosome causes colorblindness. A woman with normal vision (whose father is colorblind) marries a colorblind man. What fraction of their children is expected to be colorblind boys? Show you work and circle your answer below.



- 3. For a species of squash, assume white color is dominant to yellow color, and disk shape is dominant to spherical shape. If a squash plant that is heterozygous for white, disk squash (WwDd) is crossed with a plant that is also heterozygous for white and disk, how many different **phenotypes** are their offspring expected to show?
  - a. Use the <u>FOIL</u> method to show the different possible gametes that each parent can produce.

