

Sex-linked & 2-factor crosses

Biology A

Name _____ Period _____

1. Hemophilia, a blood clotting disorder, is caused by an X-linked recessive allele (h). What are the chances 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 P₁ cross.
 - c. Write the Punnett square.
 - d. Answer to the question:
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 your work and circle your answer below.

