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In humans, the allele for colorblindness is located on the X chromosome. The allele for normal vision is dominant over the allele for colorblindness. Remember that a man has XY chromosomes and a female has XX chromosomes. Genotype of a normal vision man:
Genotype of a colorblind man:
Genotype of a normal vision woman:
Genotype of a colorblind woman:
1. If a colorblind woman and a normal-vision man have an offspring, what is the probability the offspring will be colorblind? (Figure out genotypes of mom and dad first, then complete Punnett Square).
 2. From #1 above, what is the probability the offspring will be a: a. colorblind son% b. normal vision son% c. colorblind daughter% d. normal-vision daughter%
3. A colorblind man marries a woman of normal vision, whose father was colorblind. What is the probability of them having a colorblind daughter?

4. A normal vision woman, who is a carrier (heterozygous) for colorblindness has an offspring with a man of normal vision. What is the probability of having a child with normal vision?