IA2: Punnett Square Worksheet-Human Characteristics

Directions: Complete the following Punnett Squares. Be sure that you include the ratios of the genotypes (and the words used to describe those alleles) and phenotypes of the characteristics. See the example on webpage if you need a reminder. For extra help, you can contact Noemi Waight at nwaight@uiuc.edu. She will answer any questions you may have.

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1. B= Brown eyes b= blue eyes Mor possibilities if they chose to have children		ad= BB	What are the eye color
Genotypes			<u>Phenotypes</u>
2. Curly hair is recessive, and straight has man who is homozygous dominant fo children.	air is dom r straight l	inant. A nair. Pred	woman with curly hair marries dict the outcomes for their
Genotypes			<u>Phenotypes</u>
3. Black hair is homozygous dominant homozygous recessive. (This is an exambrown hair marries a man with brown hair?	mple of in	complete	dominance.) A woman with
Genotypes			<u>Phenotypes</u>

4. Attached earlobes are dominant or Square for the following individuals:	ver free hanging earlobes. Complete the Punnett Mom=BB and Dad=bb		
<u>Genotypes</u>	<u>Phenotypes</u>		
5. Incomplete dominance problem: T= Mom= 5'5"	etall (5'11"-6'2"); Tt=medium height (5'4"-5'10") t=short (5'3" or smaller)		
	the possible height outcomes of their children?		
<u>Genotypes</u>	Phenotypes		
6. Freckles are recessive. No freckles are dominant. Mom= heterozygous Dad=homozygous recessive Possible outcomes for kids?			
Genotypes	Phenotypes		