NAM	E		BLOCK	DATE	
		Monohybrid Cro	ss Worksheet		
#1)	Gene: Alleles:	Height Tall (T)			

Alleles: Tall (T)
Short (t)

Mom: Homozygous recessive
Dad: Heterozygous

- a. Please complete the Punnet Square using the data above.
- b. Which is the dominant allele? What does being dominant tell us about this allele?
- c. What is the phenotype of the mother? Her genotype?
- d. What is the genotypic ratio of their offspring?
- e. What is the phenotypic ratio of their offspring?
- f. If they gave birth to 20 children, how many would be short?

<b>"</b> (2)	C	0	
#2)	Gene:		
	Alleles:	Blonde hair (B)	
		Brunette hair (b)	
	Mom:	Heterozygous	
	Dad:	Heterozygous	

a. Please complete the Punnet Square using the data above.

	b. Name the	Name the gene that would have Blonde and Brunette hair as two of its alleles.					
	c. What is th	What is the phenotype of the father? His genotype?					
	d. What is th	e genotypic ratio of their offspring?					
	e. What is th	e. What is the phenotypic ratio of their offspring?					
	f. What fraction of their children would be homozygous dominant?  g. If they had 50 children, how many of these children would have brunette h						
#3)	Gene: Alleles: Mom: Dad:	Foot size Small feet (F) Large feet (f)? Homozygous dominant	Ff Ff	Ff			
	g. Using the completed Punnet square above, what is the genotype of the mother? What is her phenotype?						
	h. What is the phenotype of the father? His genotype?						
	i. What is the genotypic ratio of their offspring?						
	j. What is the phenotypic ratio of their offspring?						
	j. If these parents had 5 kids, how many of them would have small feet?						