	Mr. Souc	y - Biology 1	2 Genetic	practice	problems:	Solve the	following
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1. Define genotype, phenotype?

2.		tt squares used?								
3.										
4.	Heterozygous, homozygous. Explain the difference.									
5.	For each genotype below, indicate whether it is heterozygous (He) or homozygous (Ho)									
	AA	Ee	li		Mm					
	Bb	ff	Jj		nn					
	Cc	Gg	kk		00					
	DD		LL		Pp					
6.	For each of the	following phenotypes det	ermine w	hat phenot	ypes are poss	ible .				
		vers are dominant to white	flowers	•	ils in cats are					
	PP									
				1 L						
	pp			ιι						
	C)Brown eyes a	re dominant to blue eyes		D) Round	seeds are dor	minant to wrinkle	ed			
	BB			RR						
	Bb			Rr						
				rr						
7.	For each pheno	otype below, list the genot	ypes (ren	nember list	dominant trai	t first).				
A) Straight hair is dominant to curl straight				-	nted heads do poin	ominant to round				
	curly			_	rour	nd				
8.	Set up Punnett squares for each of the following crosses listed. Round seeds are dominant to wrinkled									
	RR x rr		What percentage of offspring would be round?							
	Rr x rr		What percentage would be round?							
	RR x Rr		What percentage would be round?							
	Rr x Rr		What p	ercentage v	vould be roun	d?				