Melomonster Punnett Square Problems

1.	For each genotype, indicate whethe (HE) or homozygous (HO).	r it is heterozygous	
	AA		
	ff Jj nn		
	kk Dd		
2.	For each genotype, determine the phenotype.		
	Purple fur is dominant to yellow fur. FF Ff ff	One horns is dominant t two horns HH Hh hh	
	Spotted fur is dominant to solid fur SSSsss	Large fangs are dominant to small fangs FF Ff ff	
3.	For each genotype listed below, provide the genotypes possible.		
	Round body is dominant to	Square eyes are dominant	
	a square body	to round eyes	
	Round:	Square:	
	Square:	Round:	
	Three toes is dominant to two toes Three Toes: Two Toes:	Pointy ears is dominant to round ears Pointed: Round:	
4.	Complete the following crosses: a. Round bodies (R) are dominan	t to square bodies (r). Cross Rr X	

rr. What percentage of the offspring will be round bodied?

b. Pointy ears (P) are dominant to round ears (p). Cross Pp X Pp. What percentage of the offspring will have pointy ears?
c. Three toes (T) is dominant to two toes (t). Cross TT X Tt. What percentage of the offspring will have three toes?
5. In melomonsters, the trait for two toes (t) is recessive to having three toes (T). A heterozygous toed melomonster (Tt) meets a homozygous melomonster with two toes (tt). What percentage of their offspring will be homozygous dominant?
6. While Marvin, a yellow melomonster, was sitting on his rock he saw a beautiful female yellow melomonster. He instantly fell in love. They sat at his rock, dreaming of their many melomonster children to come. They hope to have children with purple fur. Is this possible?
7. Harry, a five-eyed melomonster (a dominant trait) has his eyes on a pretty little four-eyed melomonster (a recessive trait). There is a problem, however; he wants all five-eyed children. Harry's family is a pure line while his love is purebred for her four-eyes. What will their children look like?