me		Da	ate	Period
C	omplex Inheritano	e - Incomplete Domin	nance and Coo	lominance
dom Sum Inco	ninance. What is a trait, howe	ger dominant allele and a weaker ever, is NOT completely dominant en incomplete dominance and co	and/or recessive.	is known as <u>complete</u>
spec	ckled with both black <u>AND</u> wh	ous genotype leads to a phenotype nite. The allele for Black is B and th ch inheritance pattern (<i>incomplet</i>	ne allele for white is	w.
	b. For each <i>phenotype</i> below	w, identify the <i>genotype</i> .		
:60	Black Chickens	White Chickens	Erminette Chi	ckens
	ack chicken is crossed with a a. Give the expected proba l	white chicken. bilities for each genotype and phe	enotype.	
	e oese		,	
ļ	b. Give the expected ratios	for the genotypes and phenotype	is. !	
*		ą g	1	
,		Two erminette chickens	s are crossed.	
			ted probabilities for	each genotype and
	~			H 100
		b. Give the expect	ted ratios for the ger	notypes and phenotypes.
702 Vin				Don.
	napdragons, flower color is co allele for white is W.	ntrolled by <u>incomplete dominand</u>	<u>ce</u> . The allele for red	is K and
ć		npletely dominant, what would be	e the phenotype for	the
i	b. For each <i>phenotype</i> below Red Genotype:	w, identify the <i>genotype</i> . White Genotype:		

A pink flowered snapdragon is crossed with a white flowered snapdragon.					
 a. Give the expected probabilities for each genotype and 					
phenotype.	*	20 E E			
Mag. 35 St. 25	3.0	*			
b. Give the expected ratios for the genotypes and phenotypes.					
7. Edward is extremely romantic and					
of pink snapdragons, her favorite flower. Unfortunately, Edward only has red					
snapdragons in his greenhouse. In order to produce the most number of pink snapdragons, what color flower should Edward cross with his red snapdragons.					
		reu snapuragons:			
Show the punnett square to defend your a	answer.				
a. This cross should produce	% pini	k snapdragons.			
	R	R			
8. What would be Edward's second choice in order to produce pink		•			
snapdragons. Show the punnett square to defend your answer.	RR	RR			
a. This cross should produce50% <i>pink</i> snapdragons.	DW	DIA			
W	RW	RW			
9. Hair color in certain breeds of horses can be Brown (B), White (W) or Palor heterozygous genotype BW). Show the cross between a brown horse and a. This is an example b. Give the expected	a palomino horse. of which <i>inheritance</i> genotype & phenoty	pattern? /pe probabilities.			
c. Give the expected	genotype and pheno	otype ratios .			
10. Can palominos be considered a purebred line of horses? Explain your answ	ver.				
11. Palomino horses are worth a great deal of money. Which color horses would you breed if you wanted to produce the most number of palominos in the shortest amount of time? Show the punnett square to defend your answer.					