Name	Date					
Complex Inheritance - Incomplete Dominance and Codominance						
1.	1. Many genetic traits have a stronger dominant allele and a weaker recessive allele. This is known as complete dominance. What is a trait, however, is NOT completely dominant and/or recessive. Summarize the difference between incomplete dominance and codominance. Incomplete dominance — the Combine with Pufferent by lefter Codominance — the See both to getter and how different bid lefter.					
2.	speckled with both black <u>AND</u> white. The allele for Black is B and the allele for white is W. a. This is an example of which inheritance pattern (incomplete dominance or codominance)?					
	co dominance					
	b. For each phenotype below, identify the genotype. Black Chickens BB White Chickens WW Erminette Chickens					
A black chicken is crossed with a white chicken. a. Give the expected probabilities for each genotype and phenotype.						
	0:4:0 W BU BU					
b. Give the expected ratios for the genotypes and phenotypes. BW BW BW BW BW BW BW BW						
3	B B B B B B B B B B B B B B B B B B B					
L	b. Give the expected ratios for the genotypes and phenotypes.					
5.	In snapdragons, flower color is controlled by <u>incomplete dominance</u> . The allele for red is R and the allele for white is W. a. Knowing this trait is incompletely dominant, what would be the phenotype for the heterozygous condition (RW)? b. For each phenotype below, identify the genotype.					
	Red Genotype: White Genotype:					

a. Give the expected probabilities for each genotype and			1	
phenotype.	. 1	DII	1211	
0:4.0		IV	1.0	
both	1)	0.1	0.1	
b. Give the expected ratios for the genotypes and phenotypes.	\bigvee	YW	IYU	
· · · · · · · · · · · · · · · · · · ·		V		
0:4:0				
7. Edward is extremely romantic of pink snapdragons, her favorite flow snapdragons in his greenhouse. In ord snapdragons, what color flower should Show the punnett square to defend you a. This cross should produce the state of the state of the snapdragons and the state of the snapdragons are stated as a state of the snapdragons.	ver. Ur der to p ld Edw our an	nfortunately, Edw produce the most ard cross with his swer.	vard only has red t number of pink s red snapdragons?	
		_		
8. What would be Edward's second choice in order to produce pink		R	R	
snapdragons. Show the punnett square to defend your answer.	R	RR	RR	
a. This cross should produce% pink snapdragons.	w	RW	RW	
DO RII WILL	"	100	1	
RR RU WW 2:2:0	L	L		
9. Hair color in certain breeds of horses can be Brown (B), White (W) or I	Palomi	ino (a <u>tan</u> color re	esulting from the	
heterozygous genotype BW). Show the cross between a brown horse and a palomino horse.				
a. This is an exar	mple o	f which <i>inheritan</i>		
N DD 22	plete	Dominanc	E	
b. Give the expe	etod a	onotype & pheno	styne probabilities	
		6 Corn of		
UI BU ISW	.30	COINCE	rer (
c. Give the expe	cted g	enotype and phe	notype ratios.	
6, 2:2				
Ý Z:	2:0			
10. Can palominos be considered a purebred line of horses? Explain your	answe	er.	17	
vio because itis a mix		B	D	
11. Palomino horses are worth a great deal of money. Which color horses	5 , 1	RI)	211	
would you breed if you wanted to produce the most number of	W	DW	176	
palominos in the shortest amount of time? Show the punnett square				
to defend your answer.	W	BW	BW	

6. A pink flowered snapdragon is crossed with a white flowered snapdragon.