Dihybrid Cross Problems

Define dihybrid cross:

Background Information:				
Dogs can have brown hair (B) w dominant over blue eyes (gg)	hich is dominant over wh	ite hair (bb). Dogs can a	also have green eyes (G) w	hich are
Example 1:				
Mother dog is heterozygous for	her brown fur and hetero	ozygous for green eyes		
What is her genotype?				
2. What are the four allele com	binations she can make?_			_
Father dog is homozygous for b	rown fur and has blue eye	es.		
1. What is his genotype?				
2. What are the four allele com	binations he can make?_			_
]
How many of the offspring have	::			
1. Brown fur and green eyes?		2. Brown fur and blue eyes?		
3. White fur and green eyes?		4. White fur and blue eyes?		

Example 2: BbGg x BbGg

How many of the offspring ha	ve:				
Brown fur and green eyes?		2. Brown fu	2. Brown fur and blue eyes?		
3. White fur and green eyes?	4. White fu	4. White fur and blue eyes?			
Example 3:					
A mother dog has white fur as blue eyes. Set up the cross ar			dog is heterozygous for	brown fur and has	
How many of the offspring ha	NO.	<u>.</u>	•	<u>_</u>	
Brown fur and green eyes?		2. Brown fu	ur and blue eyes?		
3. White fur and green eyes?		4. White fur and blue eyes?			