Biology	Name:	
X Linked Genetics in the Calico Cat	Date:	Hour:
Background information:		
Calico is a coat color found in cats, whi	ch is caused by a sex-linked cod	ominant allele.
B = black	R = orange	BR = calico
The following genotypes are possible:		
Female cats can be black (XBXB), orang	$ge(X^RX^R)$, or calico (X^BX^R)	
Male cats can be black (XBY) or orange	(X^RY)	
Show each of the crosses below and include the	phenotypic ratios of the offspri	ing:
1. A black male crossed with an orange female		
2. An orange male crossed with a calico female		
3. A black male crossed with a black female		
4. An orange male crossed with an orange fema	le	
5. A black male crossed with a calico female		
6. If you are a cat breeder, what type of parents kittens?	should you choose to have the N	MOST number of calico