Name: $\qquad$ Block: $\qquad$

1. If a Bb (brown-eyed) parent mated with abb (blue-eyed) parent, what are the possible phenotypes of the baby?

2. If a homozygous dominant brown-eyed parent mated with a blue-eyed parent, what are the possible phenotypes of the baby?
3. Is it possible for two brown-eyed parents to have a blue-eyed baby? What genotypes do the parents need to have?

4. If a blue-eyed mother wanted to ONLY have brown-eyed children, what genotype would the father have to have to ensure all children would be brown-eyed?
5. If a blue flower (Ff) parent mated with a pink flower (ff) parent, what would be the possible phenotypes of the baby?
6. If a homozygous dominant (blue flower) parent mated with a homozygous recessive (pink flower) parent, what would be the possible phenotypes of the offspring?
7. If a heterozygous long furred (LI) parent mated with a short fur (II) parent, what are the possible genotypes of the baby?
8. If a homozygous long furred (LL) parent mated with a heterozygous parent, what would be the possible phenotypes of the baby?
