Name: _____ Date: _____

Celebrity Genetics

1. Selena Gomez has a pair of Labrador Retriever dogs in her household. One of these dogs is a baby. It would take both dad, Lucky, and Joker (Shaggy) to **homozygous** for their coats (FF), which is dominant. Selena's **heterozygous** for the trait (Ff) in a punnett square to find Selena figure out what to do.

Selena's Genotype: _____

Lucky's Genotype: _____

What are the chances that a baby would have a hair coat? (Use Justify Student) _____%

2. Kathleen and Gavin Harris are going to have a baby. They want to decorate the baby's room, unfortunately wants to remember much gifts she can use. Since Gavin wants to help. Kathleen knows of the baby is going to have the gifts with genes so Gavin find Kathleen. Kathleen has to go to celebrities which genotype is dominant (D) Kathleen **homozygous recessive** and Gavin Harris is **homozygous dominant.**

Kathleen's Genotype: _____

Gavin Harris' Genotype: _____

What are the chances that their baby will have gifts? _____%

3. Lady Gaga wanted to use her DNA to clone some babies (Miss Gaga's). She is **heterozygous** in a trait (curly) from the dancers. Heterozygous (Cc) is dominant to recessive (cc). Fill in a punnett square to help Lady Gaga figure out if her children will be curly or straight.

Lady Gaga's Genotype: _____

Does her genotype for both sides (Miss curvy) (curvy)

What percentage of her children will have normally?

_____