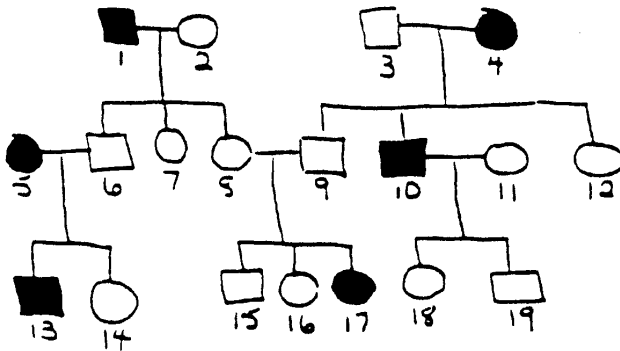


FAMILY TREES - PUT ALL ANSWERS ON YOUR OWN PAPER



MALE- □
 FEMALE- ○
 RECESSIVE PHENOTYPE- SHADED
 DOMINANT PHENOTYPE- NOT SHADED

Pretend that you are individual 16. What would be the relationship of the following people to you?

1. individual 15?
2. individual 9?
3. individual 11?
4. individual 19?
5. individual 1 ?

What would be the genotype of the following people (use H and h)?

6. individual 16? (you)
7. individual 9?
8. individual 17?
9. individual 19?
10. individual 3?

Pedigree: Construct a pedigree tree from the following descriptions. Label all names and answer any questions.

Richard Braun's story:

It all started with my great great grand-parents: Steve and Brenda Drake. These two had three girls: Sarah, Stephanie, and Shelly. Stephanie Drake became a Franciscan Nun, While Sarah married John Washington. Sarah and John tried to have children, but their child died, in child birth. They decided not to try anymore., Shelly, on the other hand, married Gene Braun (my great grandfather). Gene and Shelly had four children: Gene Jr., Samantha, Amy and Carl. Gene Jr. married Jennifer Strait, and had no children. It turned out that Jennifer was sterile. Samantha-never married, she was too busy with her career. Amy died in a bizarre gardening accident at the age of 10, and Carl married a Maggie Sharp.

Carl and Maggie raised two children: AJ and Terry (female). AJ became a Franciscan monk while Terry (my mom) married Bob Flight. Terry and Bob had one kid: me (Richard Braun). It turns out that

Bob was a real jerk. They got divorced and mom never remarried. Dad was such a big jerk, so I took mom's maiden name.

Jane Flight's story

Let me start with my great great grand-parents: Jim and Ann Flight. These two had three children: Kathy, Gerry, and Susan. Kathy died in a car accident along with her father. Gerry married Kate Doe while Susan became a Catholic nun. After Jim's death, Ann remarried Paul Wright. Ann and Paul had their own child: Tom Wright.

Gerry Flight married Kate Doe, and Tom Wright married Kaisa Stone. Kate and Gerry had one child: Kathy, while Tom and Kaisa had two children: Heather and Barbara.

Kathy Flight married David Dewey and together they had a child named Bob (My dad). He took his mother's name because David Dewey was an alcoholic! David had an affair with someone named Maggie Braun. Maggie became pregnant with David's child, but the child died during the delivery.

Heather Wright was wed to Peter Meter and had one child, Jean. Jean married Phil David. It was discovered that Phil was sterile, so Jean divorced Phil and married Bob Flight. That's right, Jean is my mother. Meanwhile, Barbara Wright married Mark Fort and their child was still born.

Bob and Jean Flight had one child: me (Jane Flight).

Now here's the problem, I met this cute guy named Richard Braun at a party. I didn't tell my parents about him and he didn't tell his parents about me. We really want to get married, can we? Why or Why not?