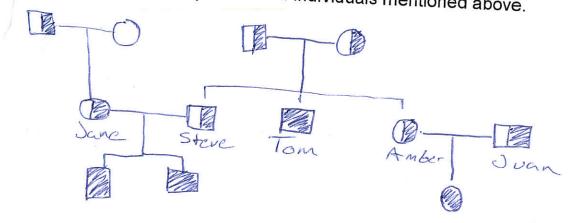
## Genetics Exam Review Packet

## : Pedigrees

e the following two pedigrees and associated questions in the space provided. one see answer keys at station to check your work. Upon completion, try to create n pedigree in your notebook following the last pedigree worksheet.

as pointed teeth. It's a recessive trait. Tom's father, mother and sister all have normal \*Tom's brother Steve also has normal teeth as does his wife Jane. However, Steve and s two sons both have pointed teeth. Janes father and mother have normal teeth. Infact s mother's family does not possess the gene at all! Toms sister Amber is married to a n named Juan and they have a daughter with pointed teeth. Draw a pedigree showing pnted teeth for the family. Show all individuals mentioned above.



1 Do you know Tom's parents genotypes? What are they and how do you know?

Yes, Both T+ because if Tom has pointed teath, which is recessive, his genotype is ++, You need 2 Are there any individuals that are not shaded in at all? What does that tell us about that

individual? James mother - She is 77

Not a carrier

3 Toms sister (normal teeth) married a man and they have a pointed toothed daughter. What could we infer about the husband and his parents?

Duan must be attarrier and at least a carrier.