

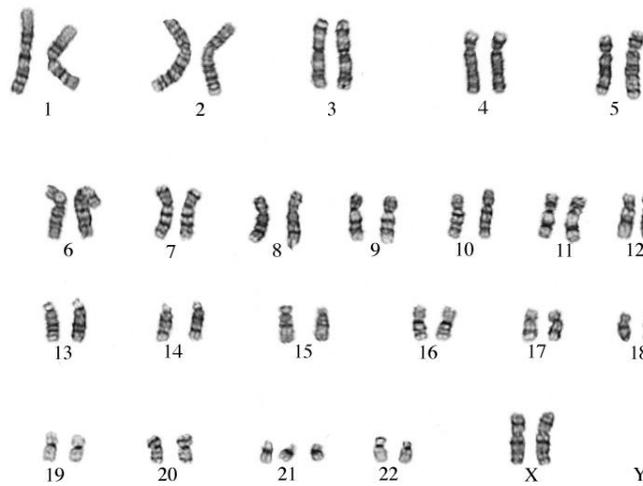
**Directions Part 1:** Analyze the following Karyotypes.

1. Determine if they are male or female.
2. Determine if they have any autosomal disorders.
3. Determine if they have any sex chromosome disorders and give the name if they do.

Karyotype 1

Sex: \_\_\_\_\_ Normal / Disorder: \_\_\_\_\_

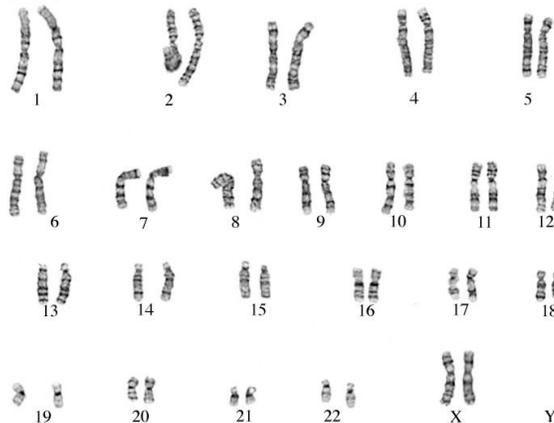
ZWK99011 KEY



Karyotype 2

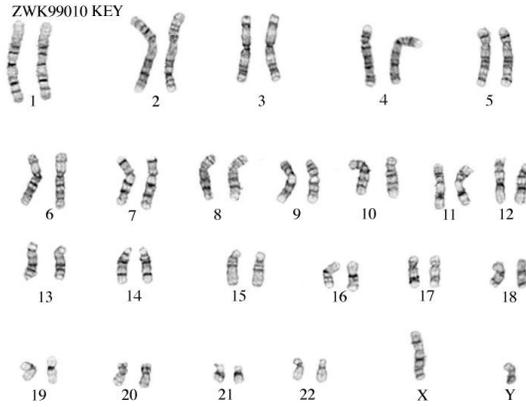
Sex: \_\_\_\_\_ Normal / Disorder: \_\_\_\_\_

ZWK9904 KEY



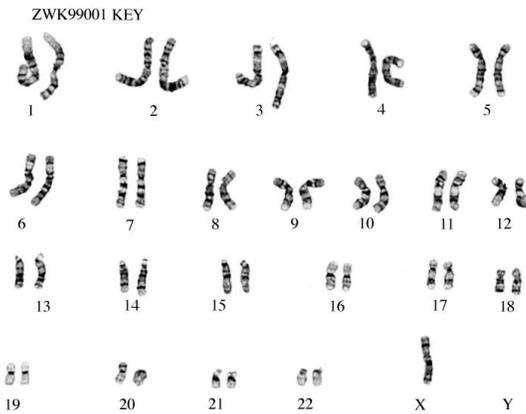
Karyotype 3

Sex: \_\_\_\_\_ Normal / Disorder: \_\_\_\_\_



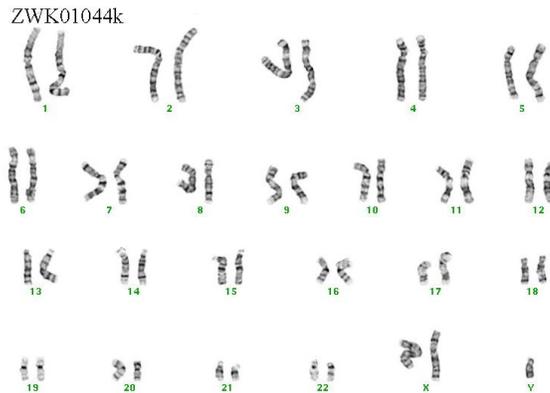
Karyotype 4

Sex: \_\_\_\_\_ Normal / Disorder: \_\_\_\_\_



Karyotype 5

Sex: \_\_\_\_\_ Normal / Disorder: \_\_\_\_\_

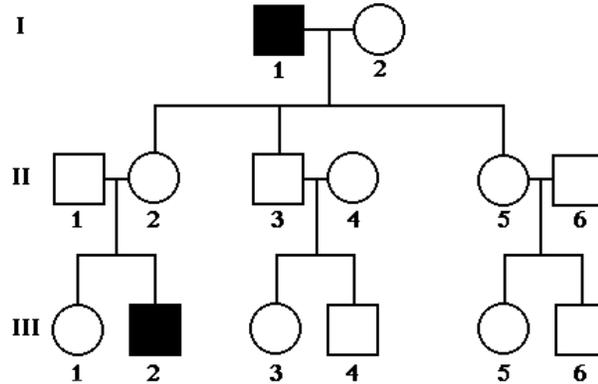


**Directions Part 2:** Analyze the following pedigrees

1. Determine if the trait is dominant or recessive.
2. Determine if the trait can be sex-linked, and if it is recessive or dominant.
3. Explain briefly how you determined the answers to the above.

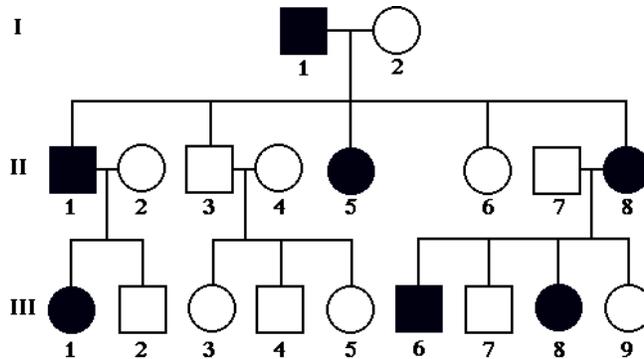
Pedigree 1

Dominant or Recessive: \_\_\_\_\_ Sex Linked: \_\_\_\_\_



Pedigree 2

Dominant or Recessive: \_\_\_\_\_ Sex Linked: \_\_\_\_\_



Pedigree 3

Dominant or Recessive: \_\_\_\_\_ Sex Linked: \_\_\_\_\_

