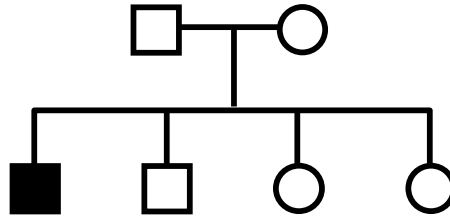


GENETICS PRACTICE 4: PEDIGREES

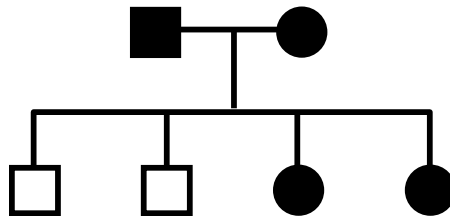
PEDIGREE #1



Could this trait be inherited as a simple...

- | | | | If "YES", then suggested genotypes of | |
|-------------------------|-----|----|---------------------------------------|---------------|
| | | | <u>father</u> | <u>mother</u> |
| a. autosomal recessive? | YES | NO | _____ x _____ | |
| b. autosomal dominant? | YES | NO | _____ x _____ | |
| c. X-linked recessive? | YES | NO | _____ x _____ | |
| d. X-linked dominant? | YES | NO | _____ x _____ | |
| e. Y-linked trait? | YES | NO | _____ x _____ | |

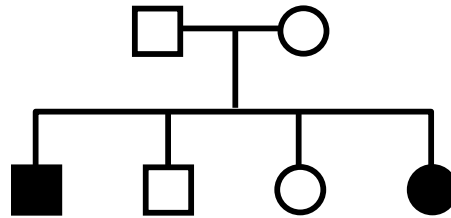
PEDIGREE #2



Could this trait be inherited as a simple...

- | | | | If "YES", then suggested genotypes of | |
|-------------------------|-----|----|---------------------------------------|---------------|
| | | | <u>father</u> | <u>mother</u> |
| a. autosomal recessive? | YES | NO | _____ x _____ | |
| b. autosomal dominant? | YES | NO | _____ x _____ | |
| c. X-linked recessive? | YES | NO | _____ x _____ | |
| d. X-linked dominant? | YES | NO | _____ x _____ | |
| e. Y-linked trait? | YES | NO | _____ x _____ | |

PEDIGREE #3

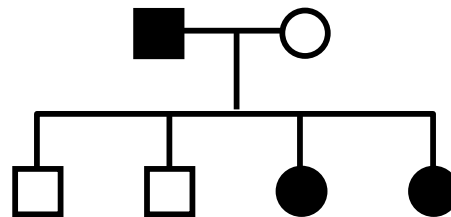


Could this trait be inherited as a simple...

If "YES", then
suggested genotypes of
father **mother**

- | | | | |
|-------------------------|-----|----|---------------|
| a. autosomal recessive? | YES | NO | _____ x _____ |
| b. autosomal dominant? | YES | NO | _____ x _____ |
| c. X-linked recessive? | YES | NO | _____ x _____ |
| d. X-linked dominant? | YES | NO | _____ x _____ |
| e. Y-linked trait? | YES | NO | _____ x _____ |

PEDIGREE #4



Could this trait be inherited as a simple...

If "YES", then
suggested genotypes of
father **mother**

- | | | | |
|-------------------------|-----|----|---------------|
| a. autosomal recessive? | YES | NO | _____ x _____ |
| b. autosomal dominant? | YES | NO | _____ x _____ |
| c. X-linked recessive? | YES | NO | _____ x _____ |
| d. X-linked dominant? | YES | NO | _____ x _____ |
| e. Y-linked trait? | YES | NO | _____ x _____ |