

Name \_\_\_\_\_

Date \_\_\_\_\_

**Warm-Up: Make A Pedigree**

Make a pedigree chart from the descriptions given. Tell whether it is autosomal or X-linked and whether it is dominant or recessive. Label the pedigree with the names of the individuals.

1. Colt and Virginia got married and had Brenda, Kassie, and Holt. It was discovered that Holt had facial tics. Brenda married Lorenzo and had Sam and Stark. Sam also had facial tics. Lorenzo's brother Ben also had facial tics but neither of their parents had the disorder.

Draw a Pedigree:

Is it autosomal or sex-linked? \_\_\_\_\_ Is it dominant or recessive? \_\_\_\_\_

2. Linda and Allan got married and had three girls, Candy, Marie, and Thelma. It was discovered that Linda had trigger finger. Thelma married Peter and had two boys, Paul and Tom. It was discovered that Thelma and Paul had trigger finger.

Draw a Pedigree:





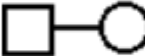

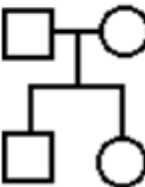






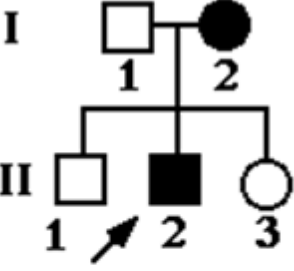


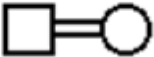


Is it autosomal or sex-linked? \_\_\_\_\_ Is it dominant or recessive? \_\_\_\_\_

3. Dharma married Donald and had three children, Dan, Deborah, and Darnell. Donald, Dan and Darnell discovered they have brown facial freckles. Darnell married Destinee and had two children, Debbi and Diana. Debbie also has brown facial freckles and married Dean. They had two children, Sam (girl) and John. Sam has brown facial freckles.

Draw a Pedigree:

Is it autosomal or sex-linked? \_\_\_\_\_ Is it dominant or recessive? \_\_\_\_\_

Fill in the meaning(s) of the following pedigree symbols using the choices in the word bank.

	_____		_____
	_____		_____
	_____		_____
	_____		_____
	_____		_____
	_____		_____
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Word Bank:

- |  |  |
|--|--|
| <input type="checkbox"/> Abortion or stillbirth, sex-unspecified | <input type="checkbox"/> Male  |
| <input type="checkbox"/> Affected individuals                    | <input type="checkbox"/> Mating                                      |
| <input type="checkbox"/> Carrier of sex-linked/recessive         | <input type="checkbox"/> Method of identifying persons in a pedigree |
| <input type="checkbox"/> Consanguinous marriage                  | <input type="checkbox"/> Number of children of sex indicated         |
| <input type="checkbox"/> Death                                   | <input type="checkbox"/> Parents & children                          |
| <input type="checkbox"/> Ex unspecified                          | <input type="checkbox"/> Proband                                     |
| <input type="checkbox"/> Female                                  | <input type="checkbox"/> Twins, dizygotic                            |
| <input type="checkbox"/> Heterozygotes for autosomal recessive   | <input type="checkbox"/> Twins, monozygotic                          |