Bio 3

11/22/11

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exam due by noon Wednesday (11/23/11)

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Continue Pennit squares

Dragons

B - Normal

b- fire breather

Q- Flyer

q- walker

female: bbQq

male: BbQq

BQ Bq bQ bq

BQ BbQQ BBQq bbQQ bbQq

Bq BBQq BBqq BbQq Bbqq

bQ BbQQ BbQq bbQQ bbQq

bq BbQq Bbq bbQq bbqq

count genotypes:

BbQQ II

BBQq IIII

bbQQ II

bbQq IIII

bbqq II

Bbqq II

phenotype:

Normal/Flyer 6

Fire-breathing/Flyer: 6

Normal/walker: 2

Fire-breathing/walker: 2

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Order for doing Pedrigree Chart:

1. Read the Key!

-tells you which characteristic you are dealing with, whether dom or recessive

-circles are always female, squares always male

2. # Generations + Individuals

-Generations always numbered with roman numerals, Individuals with Arabic numerals

3. Fill in what you know of the genotypes

4. Do the detective work (what can you figure out from the info you have?)

5. Answer the Questions