

Bio 111 Pre-Lab for Lab #07: Name _____
Genetics III TA & Sect. _____

For each of the following, circle True or False as appropriate. If you circle "False", explain your reasoning; if you "True", no explanation is needed.

1) Suppose that you are working on a jsVGL problem involving only autosomal simple-dominance. You cross red X green and get 15 red and 18 green offspring. From this cross alone, you can conclude that green is dominant to red. (3 pts)

True False

Explanation if False:

2) Suppose that you are working on a jsVGL problem with simple dominance that could be autosomal or XX/XY sex-linked. You cross blue male X pink female and get 4 kinds of offspring:

8 male blue 9 female blue 10 male pink 7 female pink

From this cross alone, you can conclude that this trait is not sex-linked. (4 pts)

True False

Explanation if False:

There is one more problem on the back!

3) In a pedigree, if you see affected females, you can conclude that the disease is not sex-linked. (3 pts)

True

False

Explanation if False: