

Name \_\_\_\_\_

Period \_\_\_\_\_

DUE DATE: \_\_\_\_\_

BONUS +10 POINTS—DO THE CROSS AND FRACTIONS FOR EACH DIFFERENT TYPE OF TRAIT. (POINTS ADDED TO CH. 6 test)

I DID NOT RECEIVE ANY HELP ON THIS BONUS FROM ANOTHER PERSON, THE INTERNET, OR ANY TEXTBOOK. \_\_\_\_\_

*Sign your name*

YOU MUST AT LEAST ATTEMPT THIS PROBLEM.

**TRIHYBRID CROSS:**

Drosophila melanogaster (fruit fly)

- Dominant gene: eyes (E)
- Recessive gene: eyeless (e)
- Dominant gene: hairy body (H)
- Recessive gene: hairless body (h)
- Dominant gene: large wings (L)
- Recessive gene: small wings (l)

- Hint:
- 1, 3, 5            1, 3, 6
  - 1, 4, 5            1, 4, 6
  - 2, 3, 5            2, 4, 6
  - 2, 4, 5            2, 3, 6

The above are all 8 combinations that go across the top and down the side of the chart. Use them twice (top and side).

Cross: EeHhLl x EeHhLl


Hint: You will have 8 combinations on phenotype ratio. Do genotype and phenotype ratios. Attach sheets, if needed.