1. (a) wild1f → wildaf, wild2f → wildcf, wild3f → wildbf,
   (b) Look, for example at the range of the data and the fact that most of the bacterial have lengths
   between 2.5 and 3.5 mcrons.
   (c) min 2.5 Q1 3.5 median 4 Q3 5 max 6.5
2. (a) Powerboat registratin is the explanatory variable and manatees is the response?
   (b) I’ll let you draw this
   (c) mean of the powerboat registration (in thousands) - 673 mean number of manatees killed - 42.
   (d) 292
   (e) 0.975
3. (a) It is not clear that 2 halls is enough. Is the level of recycling assessed before the study? What is
   the definition of recycling. You can keep going. What is the control?
   (b) Randomly pick dorms for the study, some will be control, and we can use a variety of programs.
   Measure a variety of forms of recycling before and and after - paper, aluminum, plastic, glass - at
   all sites.
4. (a) 8/19
   (b) \( \frac{8}{19} \cdot \frac{7}{18} \cdot \frac{6}{17} \)
   (c) \( 1 - \frac{8}{19} \cdot \frac{7}{18} \cdot \frac{6}{17} \)
   (d) \( 3 \cdot \frac{8}{19} \cdot \frac{7}{18} \cdot \frac{11}{17} \)
5. (a) It is a straight line
   (b) 9/32. Shake in the trapezoid above the x-axis, below the density function, between \( x = 0 \) and
   \( x = 1/2 \).
   (c) 1/3