Name: ————————————————————————————

Instructions. You have 15 minutes to complete the following problems, without notes. You may use a scientific calculator (but not a cell phone calculator).

1. Scientists observed the amount of snow cover (in millions of square kilometers) in Eurasia every year from 1970-1979: 6.5, 12.0, 14.9, 10.0, 10.7, 7.9, 21.9, 12.5, 14.5, 9.2.

   For convenience, here are the data, sorted from smallest to largest:

   $$6.5, \ 7.9, \ 9.2, \ 10.0, \ 10.7, \ 12.0, \ 12.5, \ 14.5, \ 14.9, \ 21.9$$

   (a) Find the mean, including units.

   (b) Find the median, including units.

   (c) Based on the mean and the median, would you expect the distribution to be symmetric, skewed left, or skewed right? Explain.

   (d) Calculate the five-number summary for this data.

   (e) Calculate the range and IQR for this data.

   (f) **Bonus** (+1) Draw a box and whisker plot to represent this data.