BECA / PreCalculus-6. Descriptive Statistics   Name:
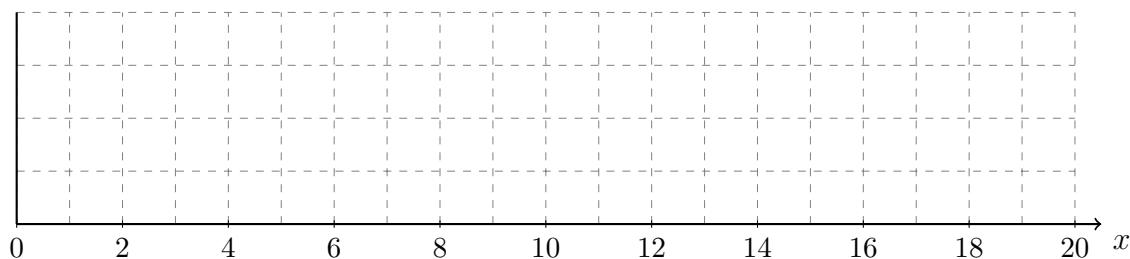15 December 2022

6.6 Quiz: Box and whisker plots
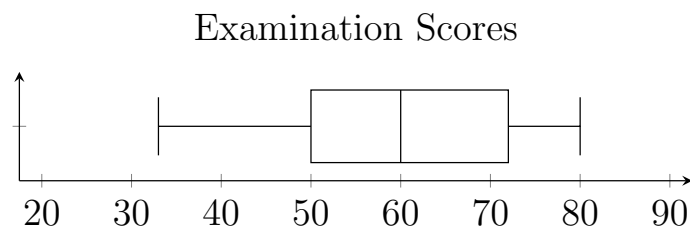
1. Find the mean of the following set of numbers:

$$9, 10, 14, 15, 17$$

2. Draw a box and whiskers plot of the five-figure summary on the grid. Use a ruler for full credit.

   $\min = 4$, $Q_1 = 6$, median $= 10$, $Q_3 = 12$, maximum $= 17$

3. The box-and-whisker plot represents the examination scores of a group of students.

Examination Scores

   (a) Write down each value:

   i. median =   ii. $Q_1 =$ iii. max =

   The range of the scores is 47 marks, and the interquartile range is 22 marks.

   (b) Find the value of
      i. the minimum score;

      ii. the third quartile.