1 Give a real-world example that requires sorting or a real-world example that requires computing a convex hull.

- Analytical data from database that should be order by ascending date on the chart.

- Replacement of bounding boxes in video games.

2 Other than speed? what other measures pf efficiency might one use in a real-world settings?.

Memory. Memory consuming is very important for microcontrollers.

3 Select a data structure than you have seen previously? and discuss its strengths and limitations.

One-way linked list.
Strengths:

- Insert without relocation memory for whole list.

- Delete element without shifting other elements.

Limitations:

- Can't go backwords from element.

- Can't select nth element without go through n-1 previous elements.