Q1. For 
$$y = \frac{x^2 + x - 4}{x + 1}$$
;

a- Find the intervals on which the function is concave up and down.

b- Find the inflection points - if any.

Q2) Sketch a graph of a function that satisfies all of the following conditions;



Q1. For 
$$y = \frac{x^2 + x + 4}{x + 1}$$
;

a- Find *x*- & *y*- intercepts.

- b- Find the intervals on which the function is increasing and decreasing.
- c- Find the Local Extremes if any.

Q2) Sketch a graph of a function that satisfies all of the following conditions;

