

5. List all the roots of the following polynomial function: (2 pts)

$$f(x) = x^4 - 2x^3 - 6x^2 + 6x + 9$$

6. Given the function: $f(x) = x^3 - 2x^2 - 4x + 8$

a) What is the degree of this function? (1 pt)

b) List all roots of this function (2 pts)

c) Sketch the graph. Label the x- and y-intercepts. (1 pt)

