8. [8 points] The graph of the polynomial $p(x)$ is given below.
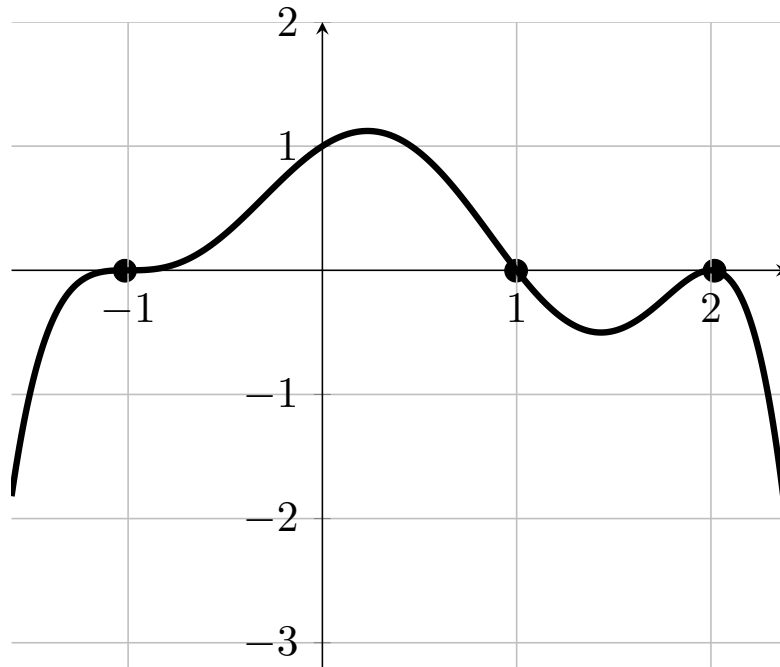

i) What are the zeros of the polynomial $p(x)$?

Answer: _____.

ii) What is the vertical intercept of the graph of $p(x)$?

Answer: _____.

iii) Assume that the polynomial $p(x)$ has degree six. Use the vertical intercept to find a formula for $p(x)$.

$$p(x) = \text{\underline{\hspace{5cm}}}.$$