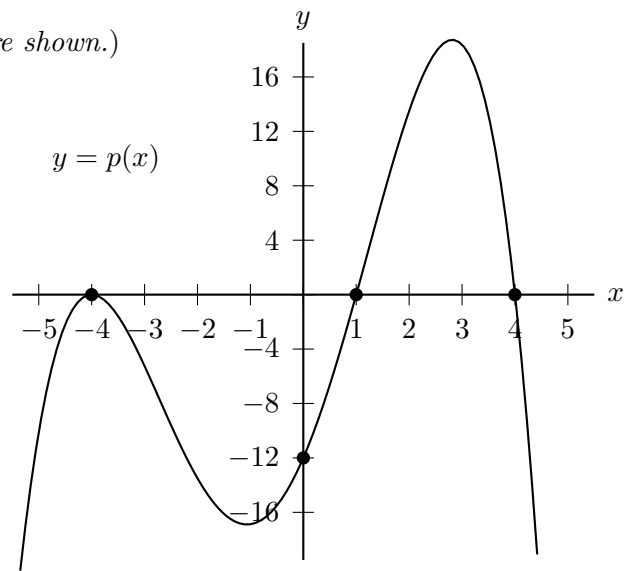**8**. [5 points] A portion of the graph of a polynomial function p is shown below. Find a possible formula for $p(x)$.
(*Assume all of the key features of the graph are shown.*)

Answer: $p(x) = $ _____

9. [4 points] Suppose g is a power function such that $g(1) = 4$ and $g(10) = 1$. Find a formula for $g(x)$. (*Any numbers in your formula should be in exact form.*)

Answer: $g(x) = $ _____