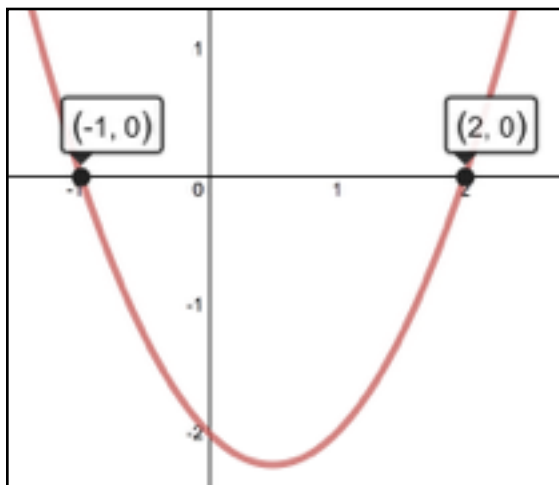
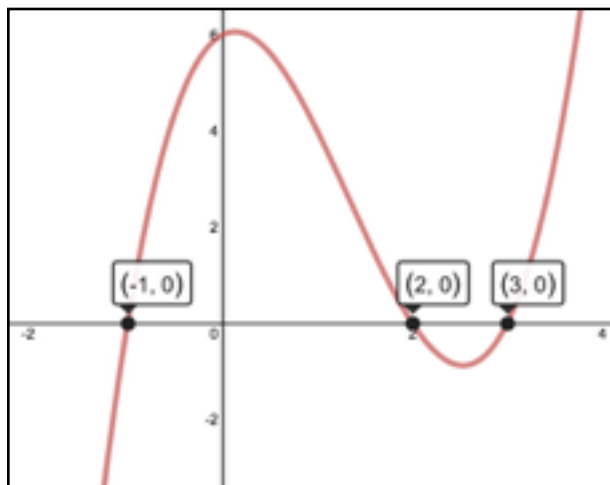


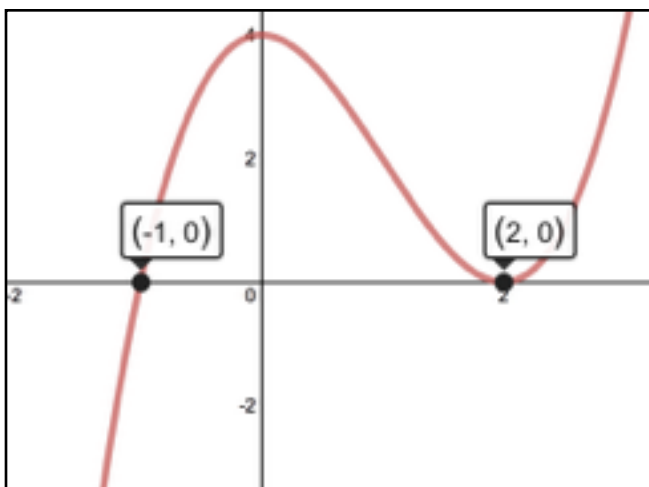
Challenge: Find a **polynomial** function that has the same **end behavior** and **x-intercepts** as the graphs shown below. *Hint: Enter your polynomials in factored form (i.e. $y = (x-p)(x-q)(x-r)\dots$).*



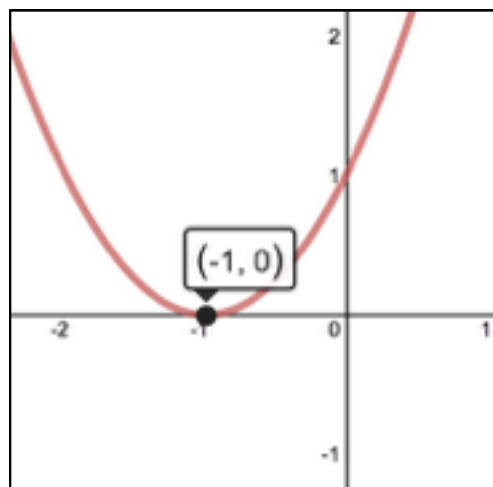
Function: _____



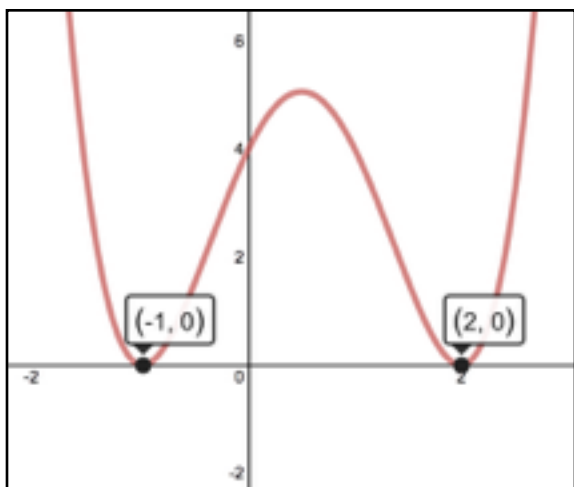
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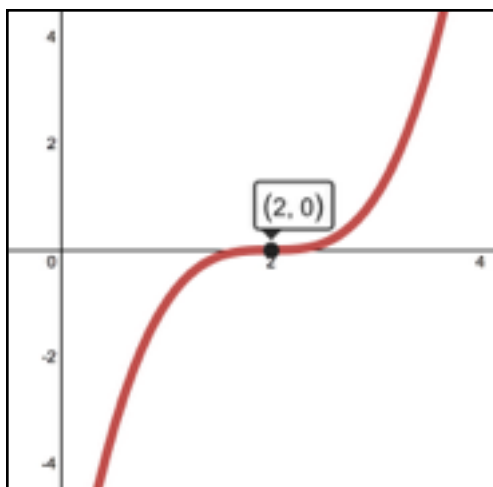
Function: _____



Function: _____



Function: _____



Function: _____