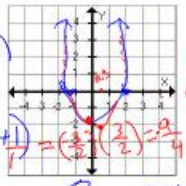
Graph and sketch the following function. Find all the zeros and list their multiplicity. Also describe the end behavior of each graph.

$f(x) = (x-2)(x+1)$

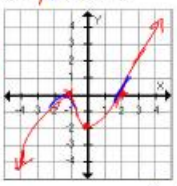


Degree: 2 even

Zeros: 2, -1

End Behavior: even/+

$f(x) = (x-2)(x+1)^2$

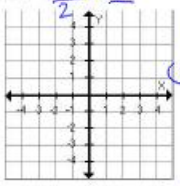


Degree: 3 cubic (odd)

Zeros: 2 -1 multiplicity of 2

End Behavior: odd/+

$f(x) = (x-2)^2(x+1)$

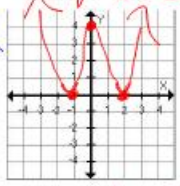


Degree: cubic (odd)

Zeros: 2 -1 mult 2

End Behavior:

$f(x) = (x-2)^2(x+1)^2$



Degree: 4 Quartic

Zeros: 2 -1 mult 2

End Behavior: