

Double zeros look like Parabolas.

Describe what the graph looks like in this window.

a parabola whose vertex is on the x-axis.

Single Zeros look like a line passing through the x-axis.

Describe what the graph looks like in this window. A line that passes right through the x-axis





Sketch this function using the shapes of the zeros and the end behavior.

$$y = (4 - x)^3(x + 3)^2(x + 1)$$







