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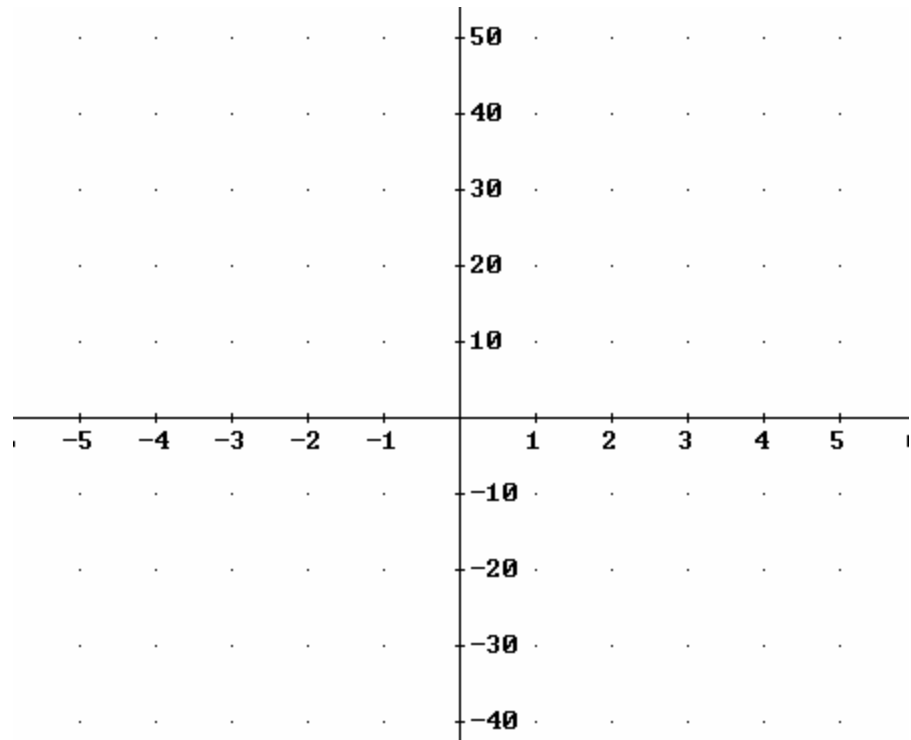
Math Worksheet: Graph Polynomial (1)

a) Show that $x = 2$ is a zero of $f(x)$ and determine its multiplicity.

$$f(x) = x^3 - x^2 - 8x + 12$$

b) Factor $f(x)$ completely and find all zeros.

c) Sketch the graph of $f(x)$ and label the x and y intercepts.



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