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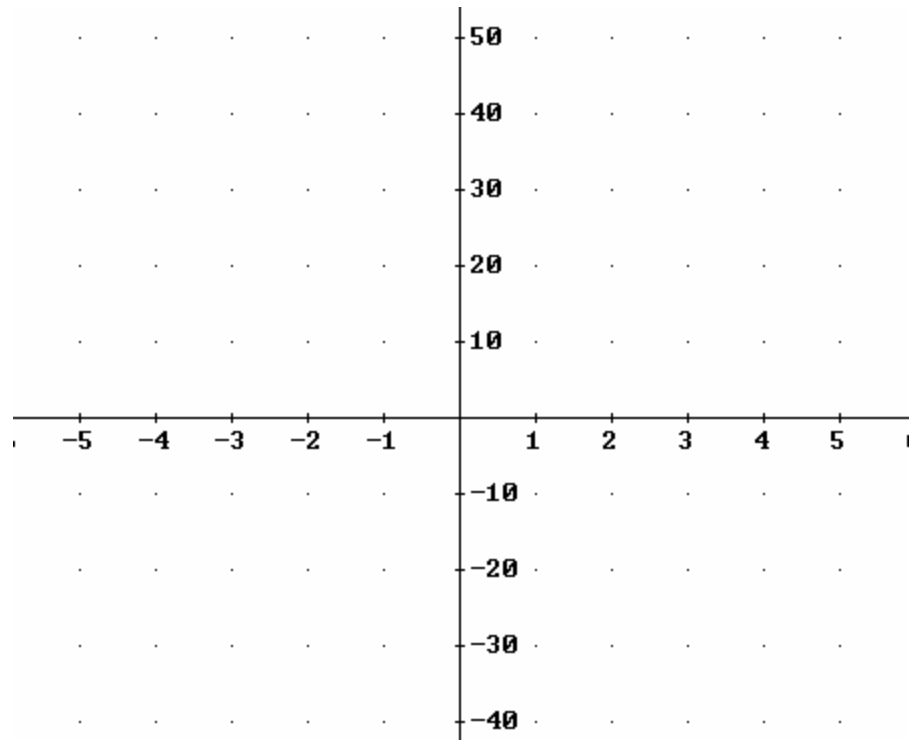
### **Math Worksheet: Graph Polynomial (1)**

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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