

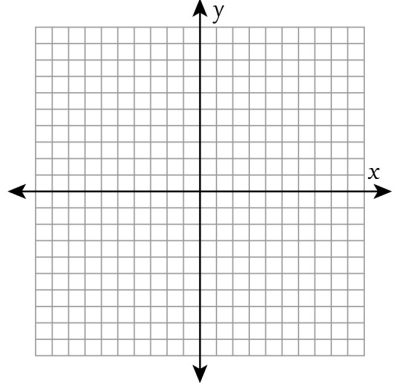
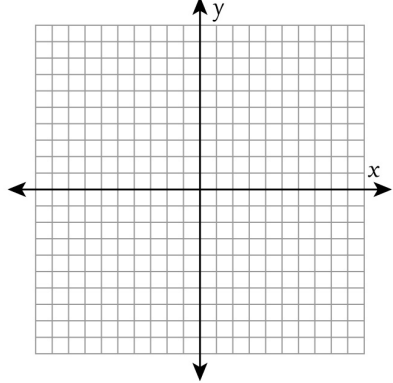
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Evaluating Polynomial Functions

For each of the following polynomial functions:

- a) Describe the end behavior of the functions.
- b) Find all real zeros of the functions.
- c) Determine the multiplicity of each zero and the number of turning points of the graph of the function.
- d) Sketch the graph. Find the x and y intercepts.

<p>① $f(x) = x^3 + 3x^2 - 4$</p> <ul style="list-style-type: none">a)b)c)d)	
<p>② $f(x) = -x^4 + 4x^3 - 4x^2$</p> <ul style="list-style-type: none">a)b)c)d)	
<p>③ $f(x) = -(x + 3)^2(x - 2)^2$</p> <ul style="list-style-type: none">a)b)c)d)	