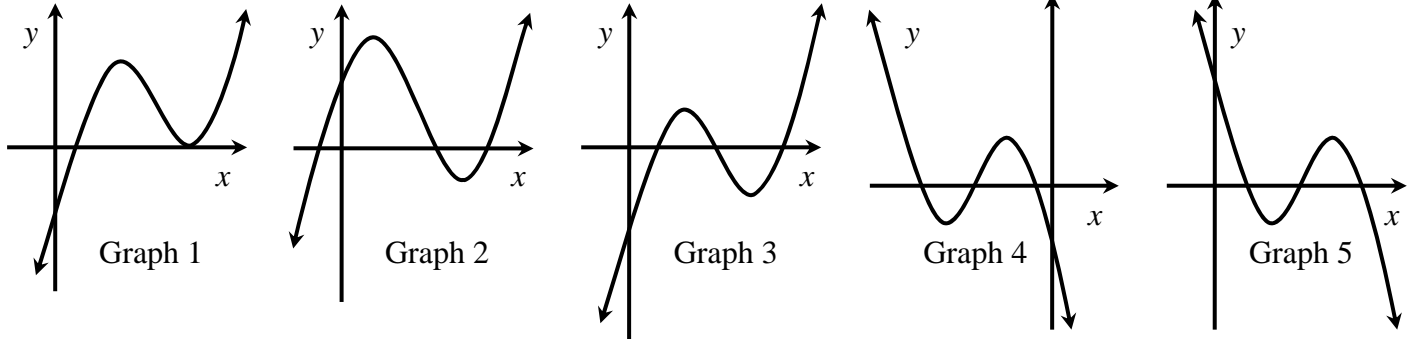


Math 163A Class Drill 0: Matching Polynomial Functions to their Graphs

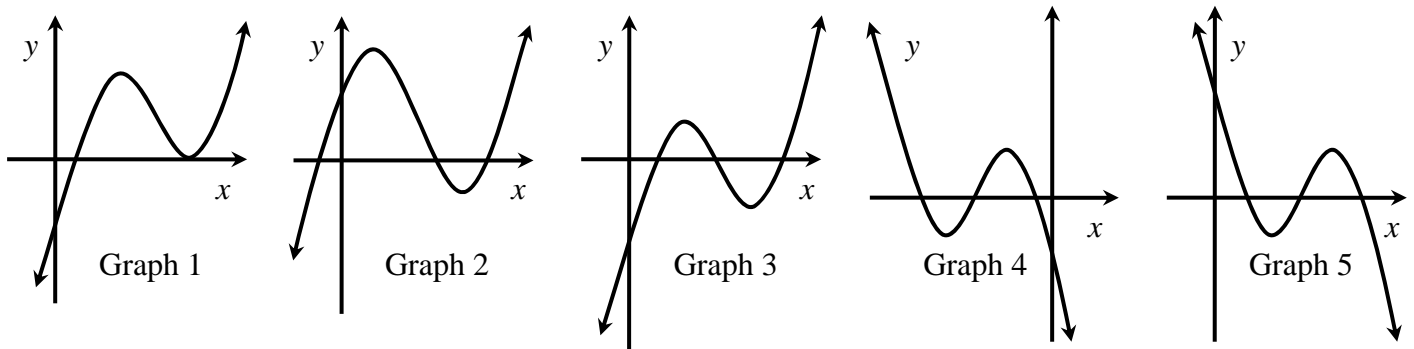
For each function, circle the number of the corresponding graph.



- (a) The function $f(x) = x^3 - 9x^2 + 23x - 15 = (x - 1)(x - 3)(x - 5)$ corresponds to graph 1 2 3 4 5
- (b) The function $f(x) = x^3 - 11x^2 + 35x - 25 = (x - 1)(x - 5)^2$ corresponds to graph 1 2 3 4 5
- (c) The function $f(x) = -x^3 + 9x^2 - 23x + 15 = -(x - 1)(x - 3)(x - 5)$ corresponds to graph 1 2 3 4 5
- (d) The function $f(x) = x^3 - 7x^2 + 7x + 15 = (x + 1)(x - 3)(x - 5)$ corresponds to graph 1 2 3 4 5

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