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ABSTRACT. Recent attention has been given to the identification problem in uniform algebras. For example, it has been shown that given functions  $f, g$  such that  $\|fh + 1\| = \|gh + 1\|$  for all functions  $h$  with  $\|h\| = 1$ , then  $f = g$ . Similar examples exist for different combinations of  $f, g$ , and  $h$  using the norm or subsets of the spectrum. We wish to classify which combinations, taking the form of bivariate polynomials, allow a given function to be completely determined under these conditions. We present a result ruling out a certain class of polynomials and establish a necessary condition for the second-degree case.