1025-46-160 Francisco Javier Garcia-Pacheco* (fgarcia@math.kent.edu), Department of Mathematical Sciences, Kent State University, Kent, OH 44242. The lineability problem for functionals. The lineability problem for functionals asks about the "possible" lineability of the set of norm-attaining functionals on a Banach space. We give some indications about the existence of a possible counterexample and we prove that every Banach space admitting an infinite dimensional separable quotient can be equivalently renormed to make the set of normattaining functionals lineable. In addition, we study some conditions related to the density of the set of non-norm-attaining functionals. (Received January 22, 2007)