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Abstract: Convexity is, without doubt, one of the most desirable features in optimization. Many optimization problems which are nonconvex in their original setting may become convex after performing certain equivalent transformations. This paper studies conditions of this hidden convexity. More specifically, some sufficient conditions have been derived for identifying the hidden convexity and these conditions are independent on the transformation. The relationship between the hidden convexity and other forms of generalized convexity, such as pseudoconvexity and G-convexity, are also discussed.