1171-52-152 **Daniel McGinnis*** (dam1@iastate.edu), Ames, IA. A family of convex sets in the plane satisfying the (4,3)-property can be pierced by 9 points.

A family of compact, convex sets in \mathbb{R}^2 has the (4,3)-property if for every four sets in the family, three have a non-empty intersection. In 2001, Gyárfás, Kleitman, and Tóth showed that the sets in a family of compact, convex sets in \mathbb{R}^2 with the (4,3)-property can be pierced by 13 points. Here, we improve this result by showing that 9 points suffice. (Received August 09, 2021)