

Comprehension questions

PROBLEM 21.1. *If C_1 and C_2 are conics intersecting in finitely many points, what are the possibilities for the number of points in $C_1 \cap C_2$? For each possibility, give a (plausible, it doesn't have to be exact) drawing of an example.*

PROBLEM 21.2. *Find two degree 3 curves which intersect in exactly 8 points. You have to either give the explicit equations, or else a picture that convincingly explains how this can be implemented.*

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18.900 Geometry and Topology in the Plane
Spring 2023

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