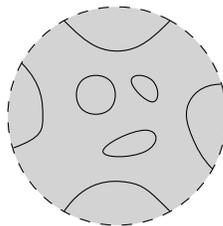


Comprehension questions

PROBLEM 27.1. *True or false, and why or why not? “The projective completion of $f(x, y)g(x, y) = 0$ is the union of the projective completion of $f(x, y) = 0$ and that of $g(x, y) = 0$.”*

PROBLEM 27.2. *How many points at infinity does $x(x - 1)(x - 2)y(y - 1)(y - 2) = 1$ have?*

PROBLEM 27.3. *As far as you know, could this picture be that of a nonsingular projective curve of degree 4?*



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