



MAT 360 Lecture 4

Projective and affine planes



Undefined terms

- **Point**
- **Line**
- **Incidence**

Incidence Axioms

1. For each point P and for each point Q not equal to P there exists a unique line incident with P and Q .
2. For every line T there exist at least two distinct points incident with T .
3. There exist three distinct points with the property that no line is incident with all the three of them.