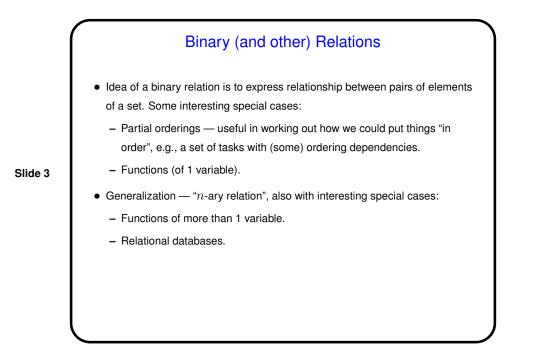
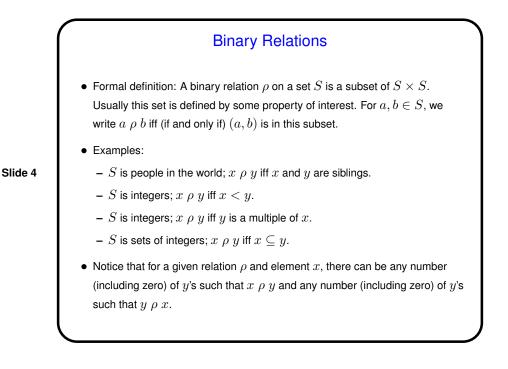


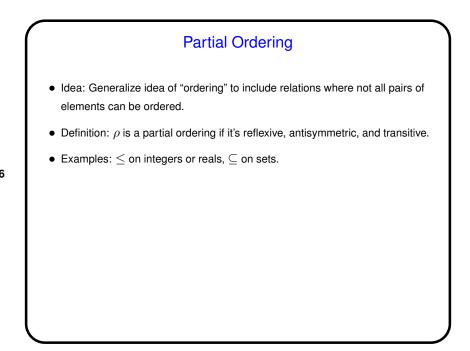
Slide 2



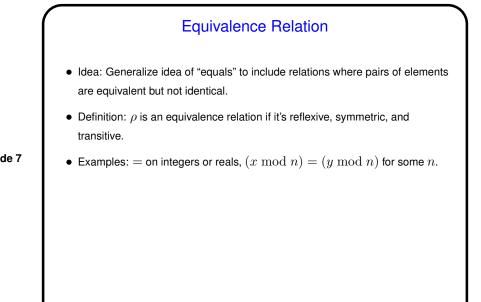




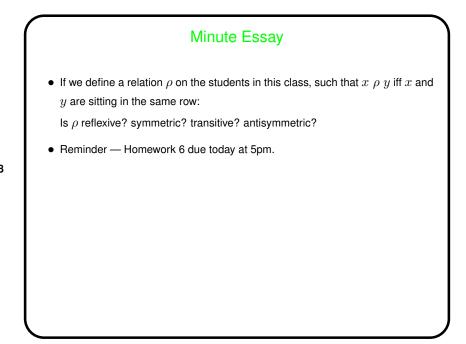
- ρ is *reflexive* if $x \rho x$ for all $x \in S$.
- ρ is symmetric if $(x \rho y) \rightarrow (y \rho x)$ for all $x, y \in S$.
- ρ is *transitive* if $(x \ \rho \ y) \land (y \ \rho \ z) \rightarrow (x \ \rho \ z)$ for all $x, y, z \in S$.
- ρ is antisymmetric if $(x \ \rho \ y) \ \land \ (y \ \rho \ x) \ \rightarrow \ (x = y)$ for all $x, y \in S$.
- Slide 5
- Can combine these in interesting ways



Slide 6



Slide 7



Slide 8

