Logics: are formal languages for representing information such that conclusions can be drawn Syntax: defines sentences in the language semantics: defines the meaning of sentences Entuilment When a sentence follows from another &FB xentainls B 2 every model where x is true, B is alse the 3 M(x) = M(B) Models: Logicians Hairally think in terms of models, which are formally structured worlds with respect to which truth can be evaluated