Exercise 2.33

1. Dogs that bark do not bite.   
   Predicates: D(x) = “ x is a dog”; B(x) = “x barks”; Z(x) = “x bites”, then  
   **∀x∊D (B(x) →⌐Z(x)) or ∀x∊D⌐ (B(x) ∧Z(x))**
2. All that glitters is not gold.  
   Predicates: T(x) = “x glitters”; G(x) = “x is gold”, then  
   **∀x∊T(⌐G(x))**
3. Friends of Diana’s friends are her friends.  
   Predicate: F(x,y) = “x is friend of y”; then  
   **∀xy(F(x,y) ∧ F(y, Diana) → F(x, Diana)**
4. The limit of 1/n as n approaches infinity is zero.  
   N(n) = “n approaches infinity”; L(l) = “the limit of l”  
   **∃n(N(n) = 0 → L(1/l))***P.S. Don’t know…*