1.1

1. ATOM
2. VARIABLE
3. ATOM
4. VARIABLE
5. ATOM
6. ATOM
7. NEITHER
8. ATOM
9. VARIABLE
10. ATOM

1:2

1. COMPLEX TERM, FUNCTOR = loves, ARITY = 2
2. ATOM
3. NOT A TERM
4. COMPLEX TERM, FUNCTOR = boxes, ARITY = 1
5. COMPLEX TERM, FUNCTOR = and, ARITY = 2
6. COMPLEX TERM, FUNCTOR = and, ARITY = 2
7. NOT A TERM
8. NOT A TERM
9. NOT A TERM
10. NOT A TERM

1.3

3 FACTS, 4 RULES, 7 CLAUSES, 5 PREDICATES

HEADS	GOALS
person(X) →	Man(x) or Woman(x)
loves(x, y) →	father(x, y)
father(Y, Z) →	man(Y) and son(Z, Y)
father(Y, Z) →	man(Y) and daughter(Z, Y)

1.4

killer(butch).

married(mia, marsellus).

dead(zed).

dead(X) :- kills(Y, X).

kills(marsellus, X) :- footrub(X, mia).

loves(mia, X) :- goodDancer(X).

eats(jules, X) :- nutritious(X); tasty(X),

1.5

1. YES
2. NO
3. NO
4. NO
5. YES
6. Y = harry;
   Y = ron
7. No