PROOF BASICS HW #1

Fill in the blanks to complete the following two proofs:

P&(R->S) ├ R->S

___ (1) P&(R->S)   A
___ (_) (R->S)   _____

P, R->S ├ P&(R->S)

1 (_) P   A
___ (2) R->S   _____
___ (3) P&(R->S)   _____

Construct a proof for the following sequent:

P, Q ├ (P&Q)v(A<->B)