Math 311 2-Column Proofs Activity

1. Write a 2-column proof for each of the following arguments.

(a)
$$\begin{array}{c} p \to q & t \to p \\ \neg(q \wedge r) & s \lor t \\ \hline r & \hline \vdots \neg p \end{array}$$
 (b)
$$\begin{array}{c} p \to q \\ \neg q \\ \hline \vdots s \end{array}$$

2. Invent your own proof for a valid argument by creating a set of premises that relate to one another and then deducing a conclusion using a 2-column proof.