

Mathematics 174 Quiz #1 Name: _____

1. Complete the following: $p \rightarrow q \equiv \underline{\hspace{1cm}} \vee \underline{\hspace{1cm}}$

2. Let S be the statement $p \rightarrow q$.

(a) The contrapositive of S is

(b) The converse of S is

3. Complete the following truth tables:

| p | q | $p \rightarrow q$ |
|-----|-----|-------------------|
| | | |

| p | q | $p \leftrightarrow q$ |
|-----|-----|-----------------------|
| | | |