

MATH 2602 K1-K3, Quiz 1, Jan 22

SHOW ALL YOUR WORK TO RECEIVE FULL CREDIT!

Name: \_\_\_\_\_

**Problem 1 :** Show that  $(p \wedge q) \rightarrow (p \vee q)$  is a tautology.

**Problem 2:** For integers  $a$  and  $b$ , define  $a \sim b$  if  $3a + b$  is a multiple of 4. Show that  $\sim$  is an equivalence relationship.