

Worksheet 5:

Name: _____
MATH 270 (Sec 7198) Spring 2012

1. Find counter-examples to the following conjectures.

Conjecture (a). If $A \cup C = B \cup C$ then $B = C$.

Conjecture (b). If p is prime then $p^2 + 2$ is prime.

Conjecture (c). For all sets A , $A \not\subseteq A^c$