

MATH 4590

Quiz 13 Show cardinality is an outer measure

(a) $|\emptyset| = 0$

(b) if $A \subseteq B$, then $|A| \leq |B|$ ✓

(c) $|A_1 \cup A_2 \cup \dots \cup A_n| \leq |A_1| + |A_2| + \dots + |A_n|$

↑
must be \leq b/c

of possible overlap