

**2513 Exam 1 Extra Credit: iteration 5**  
**to be completed by 11/15**

Please scan your work to pdf and submit it via email. Be sure to include your sketch work and a statement of the Proposition to be proved.

Give an element-wise proof that  $(C - A) \cap B$  is a subset of  $C \cap (B - A)$  for all sets  $A$ ,  $B$  and  $C$ .