

Homework #15- Hand in no later than 2:41 p.m., Monday, July 3.

Suppose A and B are convex subsets of a real linear space. Prove or give a counterexample:

$$[A \ B] = \{sa + tb : a \in A, b \in B, s \geq 0, t \geq 0, s + t = 1\}.$$