

① Complete the yes/no chart. ② For one "no" of your choice, give a counterexample with proof. HW16

Property P	Is property P preserved by...			
	closed subspaces?	continuous images?	open subspaces?	countable products?
separable				
Lindelöf				
first countable				
second countable				

Part of math is looking up prior work, like any discipline.