If A is a connected subspace of X, does it follow that in tA and BdA are connected? does the converse hold. dA is not necesarily connected: conside: S={(xxy)=R: |x|2+|4|2×13\ {0} then 3030 } (xxy) & R?: 1x12+1412=13 is a separation of 2A Same for intA. A= {x e R2: |x - (-10)|2 ≤ 1} () {x e R2: |x - (10)|2 ≤ 1} A is connected but not int A

Dont have any implications other direction