Green Theorem: SUMMARY OF TRICKS
Assume D is compact, D processive c¹, oriented so D on left

$$\vec{F}$$
 c¹ vector field de final on an openet containing D then
 \vec{F} c¹ vector field de final on an openet containing D then
 \vec{F} c² vector field de final on an openet containing D then
 \vec{F} c³ vector field \vec{F} containing D then
 \vec{F} contained for \vec{F} containing D then
 \vec{F} contained field \vec{F} contained for \vec{F} containing D then
 \vec{F} contained field \vec{F} contained for \vec{F}

"If two corres co-bounda region and if they have the same orientation and if scure $\vec{F} = 0$ on the region, then the integral of \vec{F} over one curve equals the integral over the other curve"