

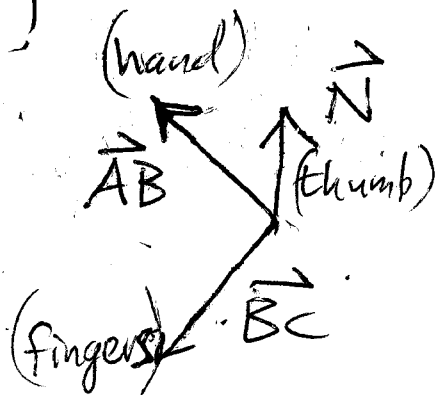
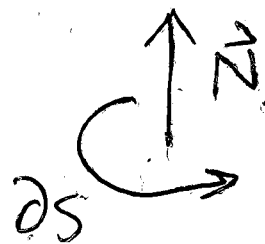
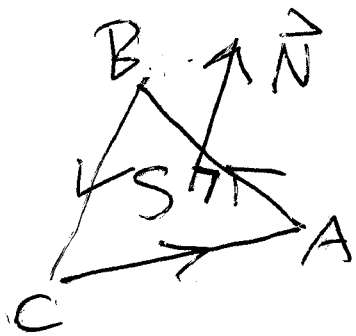
Here's an example where the flux side of the equation of Stokes' Theorem may be easier.

Day
56

Problem: Find the circulation of $\langle z, x, y \rangle$ through the triangular loop ABCA where $A=(0,1,0)$, $B=(3,3,5)$, $C=(-1,0,2)$.

$ABCA = \partial S$ where S is (the interior of) the triangle $\triangle ABC$ with orientation

$$\vec{N} = \frac{\vec{AB} \times \vec{BC}}{|\vec{AB} \times \vec{BC}|} \quad (\text{See Day 53 for how to parametrize } S.)$$



Right hand rule