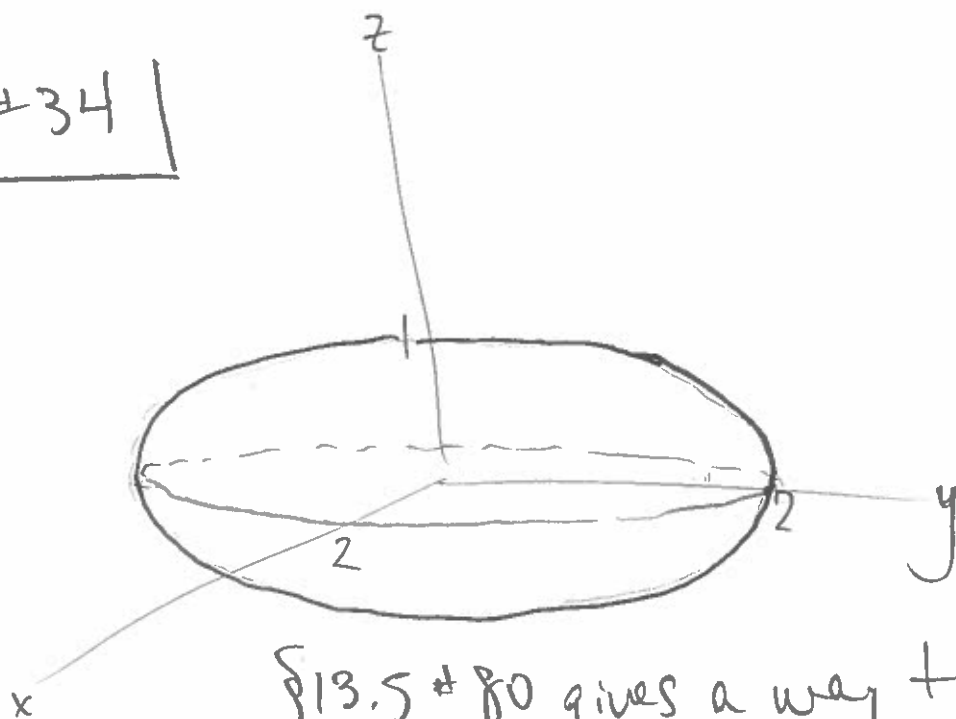


§14.8 #34



§13.5 #80 gives a way to  
integrate ellipsoids in  
general, but ...

$$\operatorname{div} \vec{F} = \nabla \cdot \langle -yz, xz, 1 \rangle$$
$$= 0 + 0 + 0 = 0$$

$$\rightarrow \left( \iint_S \vec{F} \cdot \vec{n} \, dS = \iiint_D \underbrace{\operatorname{div} \vec{F}}_0 \, dV \right) = 0$$

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Just FOR fun: do §13.5 #80