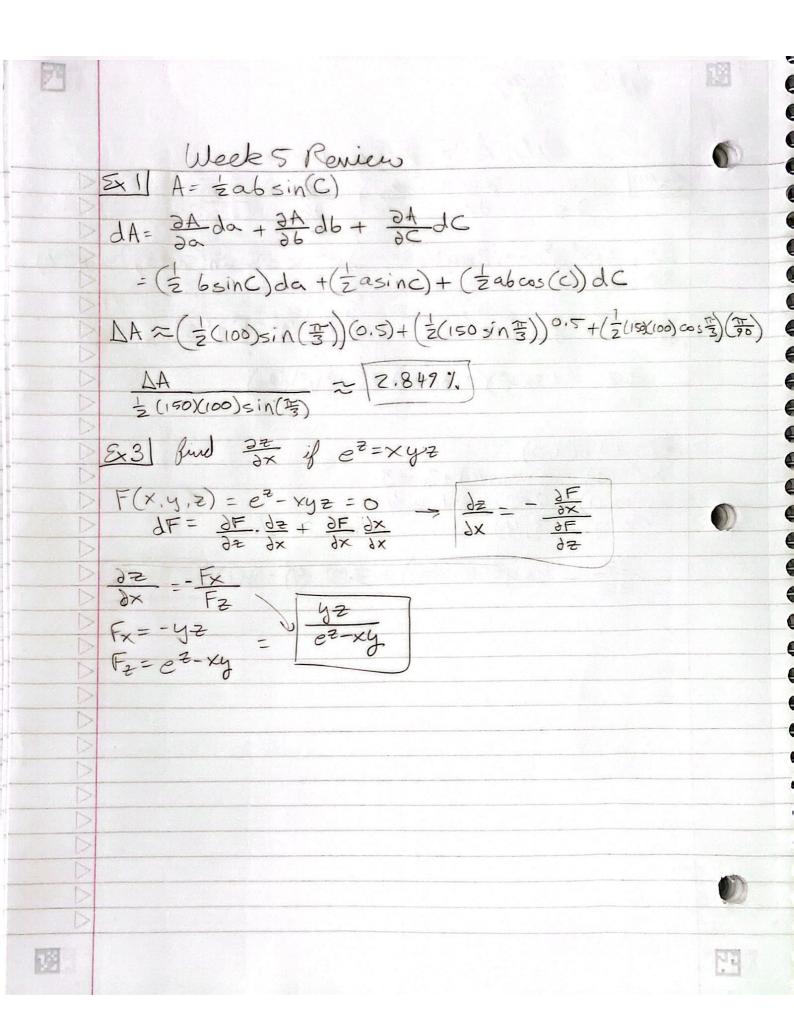
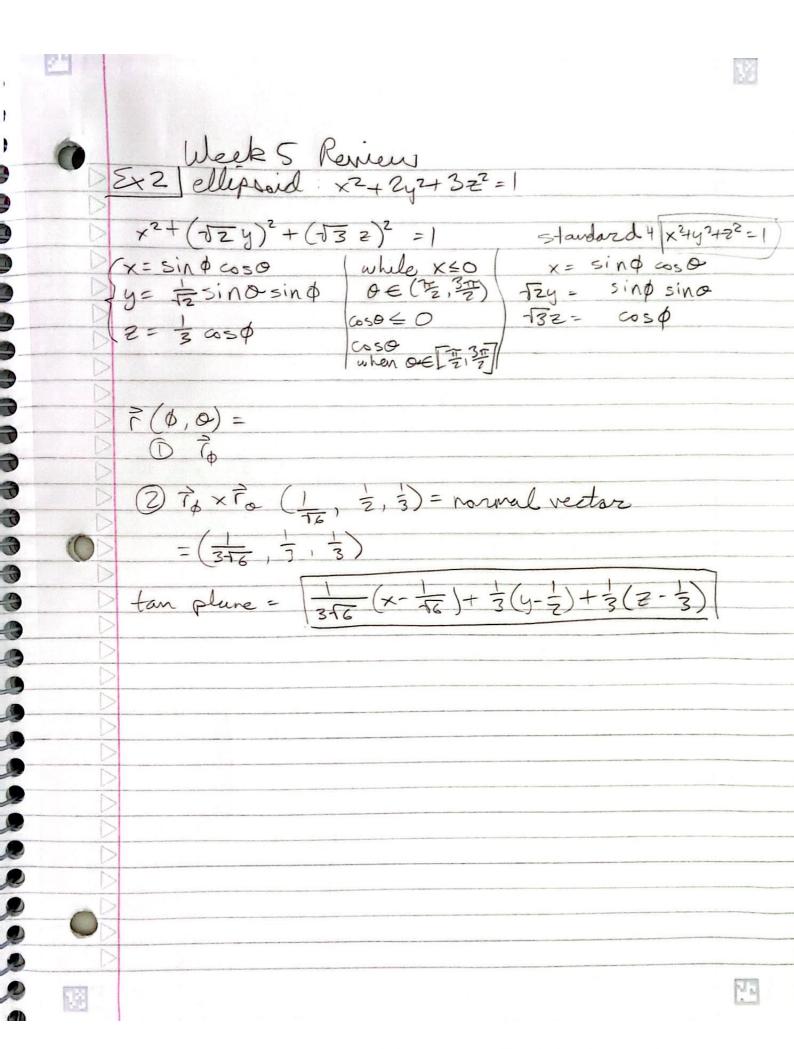
Will legg Week 5 review

\[
\left(\frac{\pi}{2\pi} 4 \right) \frac{\pi}{2\pi} = \frac{\pi\pi}{2\pi} \cdot \frac{\pi\pi}{2\pi} + \frac{\pi\pi}{2\pi} \cdot \frac{\pi\pi}{2\pi} \cdot \frac{\pi\pi}{2\pi}
\] $\frac{\partial^2}{\partial x} z = x^2 y^3 - 2xy^3$ $\frac{\partial x}{\partial x} x = S \sin(5t+3) \sin(5t)$ 3= 3x2y2 3 y=2t2+452 = 85 $\frac{\partial z}{\partial c} = (2xy^3)(\sin(5t)) + (3x^2y^2)(8s)$ $\mathcal{Q}(s,t)=(1,0)$ $\times (1,0)=1 \cdot \sin(0)+3=3$ $y(1,0)=2 \cdot 0+4 \cdot 1=4$ (x,y)=(3,4)02 = 2xy3 (sin(o)) + 3.(3)2.49-8(1) = 3456

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