		$df = \frac{\partial f}{\partial x} \hat{x} + \frac{\partial f}{\partial y} \hat{y} + \frac{\partial f}{\partial z} \hat{z}$
		4x = (
		4x = [
	ボニアがを Midtorm 2 Choat Shoot	(24) - 221 - 324 + 324 + 324
	Wilderin 2 Cheat Sheet 1 6-s Law.	ful to calculate net
	Midterm 2 Cheat Sheet $ \uparrow = \boxed{1 \text{ de } \times \boxed{1}} $ $ A \cdot (\forall f) = \forall 2 + \frac{3^2 f}{3x} + \frac{3^2 f}{3y} + \frac{3^2 f}{$	
V	X: \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
	Choose smart Amperian loops!	
	ε = -d to B - Ferraday + Long's law -> T(ux does not enough due to unray vop t = 13(4) -πα for conemor schemosist.	
	Galvans Kuchhoff loop t junctur rue	
	to some sus or en unas.	
	Inductors: $E = -LI$ (opposites current) capitators: $E = \frac{Q}{V}$ Renstors: $V = IR$	
Surger to the surger of	f=0 => break in crush f=0 => normal wine Same at all f	
Swach behavor.	t=0 => wormand were t= 10 => break in conjunt.	
Impedances:	$z=i\omega L$ $z=\frac{i}{\omega C}$ $z=R$	
series.		
whatval notebuce. Leq = $L_1 + 2M$ (serves) Leq = $\frac{L_1 L_2 - M^2}{L_1 + L_2 - 2M}$ (parallel)		
Windows haulance. Cen - Citoz i zi (cenes)		
	(E4) 12	
	$U_{18} = \int dV \frac{ BUJ ^2}{2 \mu_0} \frac{magnetic}{dencing} Sim. : U_E = \int dV E_0 \frac{ EU ^2}{2}$. 72.
complex carrent: $I(t) = I_0 \cos(\omega t + \phi) \longrightarrow I_0 = \tilde{I}(t) = \sqrt{Re(I)^2 + Im(I)^2}$, and current was $\tilde{V} = \tilde{I}\tilde{z}\tilde{z}$		
Knowholf for per E-IR- [IZi = 0 (w/o industr) E-IR-[IZi = E foradoy (W(industr))		
	V_{1} V_{2} V_{2} V_{3} V_{4} V_{5} V_{7} V_{1} V_{1} V_{2} V_{3} V_{4} V_{5} V_{7} V_{7} V_{1} V_{1} V_{2} V_{3} V_{4} V_{5} V_{7} V_{7} V_{7} V_{1} V_{1} V_{2} V_{3} V_{4} V_{5} V_{7} V_{7	mutimite losses.
Transformers.	0, 13, 12 V, 14, I, 141 30	
	Cur\	
other sneather	$\mathcal{E} = \oint \vec{\mathcal{E}} \cdot d\mathcal{L} = -\frac{d\vec{\mathbf{E}}}{dt} = -\frac{\partial \vec{\mathbf{E}}}{\partial t} d\vec{\lambda} = \nabla \times \vec{\mathbf{E}} = -\frac{\partial \vec{\mathbf{E}}}{\partial t} - \nabla \cdot \vec{\mathbf{L}} = -\frac{\partial \vec{\mathbf{E}}}{\partial t} - \nabla \cdot \vec{\mathbf{L}} = -\frac{\partial \vec{\mathbf{E}}}{\partial t} + \nabla \cdot \vec{\mathbf{L}}$	d.3.
	VKB = MFS, V-B=0 (no bee endings)	
~ ~	$ \frac{\partial}{\partial x} = \partial$	
Infinite sheet:	B = Molk	
Secf-Lductance	<u>a</u> = LI di - do = € => €= -LI	
	1 Shauld 62	
Recebery.	$E_{11} = E_{11}$, $E_{1} = \delta E_{1}$ $\delta = \frac{1}{11 - U^{2}}$, Note hall result should be a refer tout.	