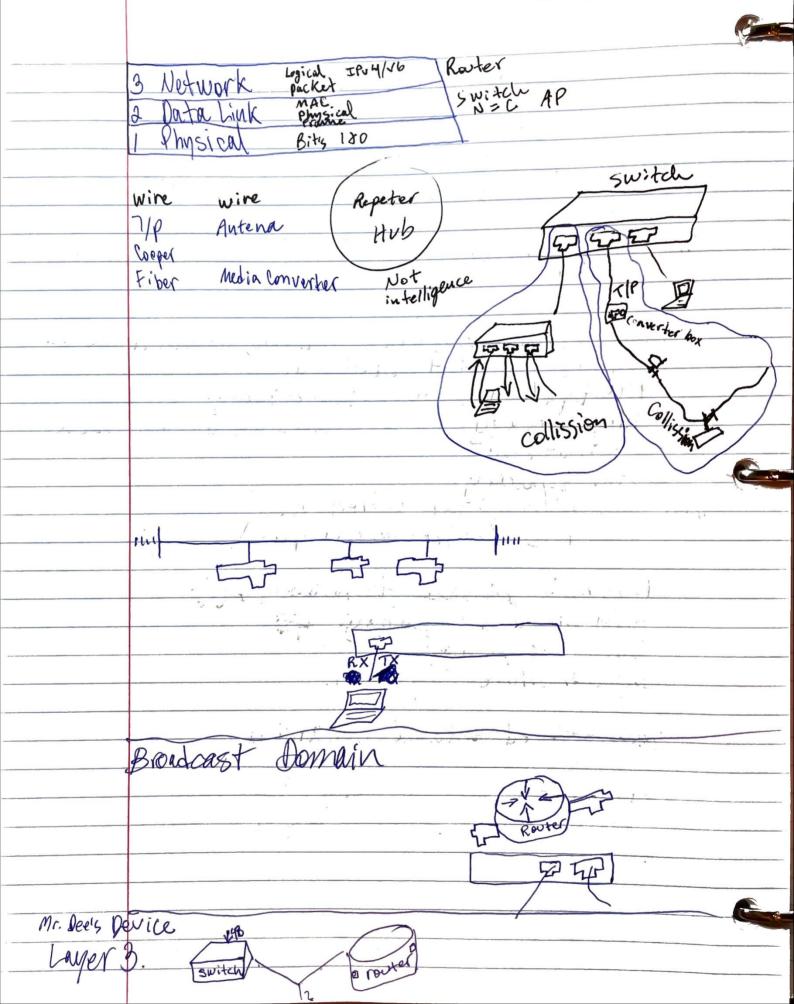
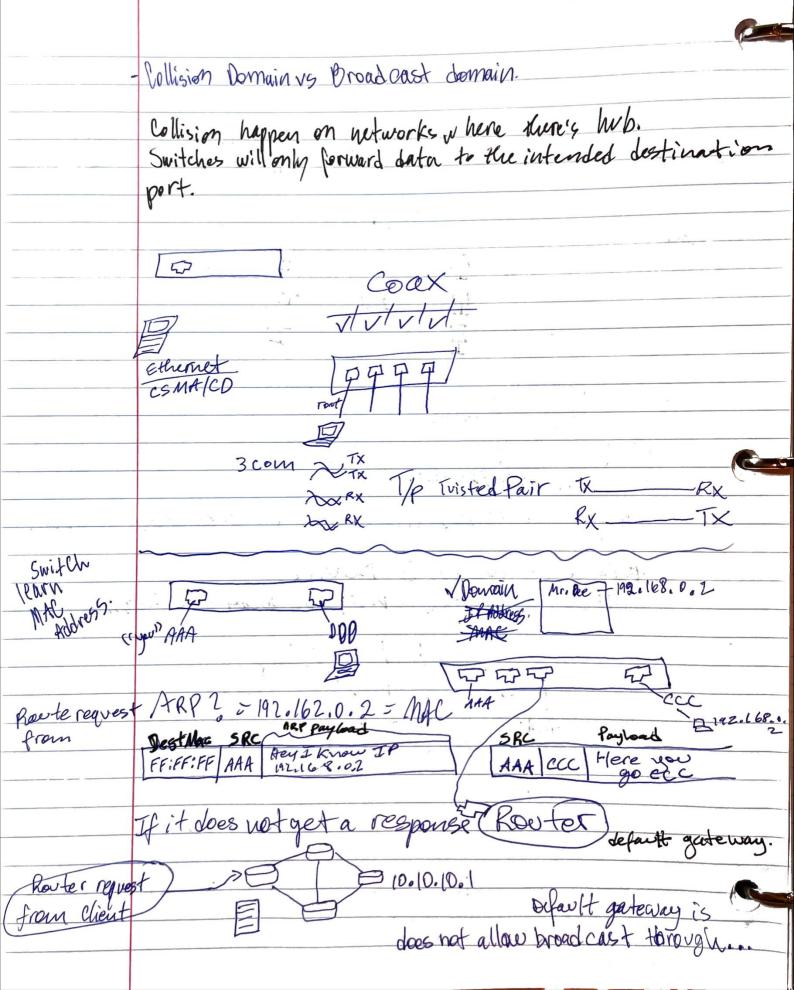
William Prado 04/25/2025



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	4027
	Layer 2 us Layer 3 switches.
	Layer 3. Network layer also known (multilayer)
Video	VII AMC
	P P P P P P P P P P P P P P P P P P P
	T F
-se	in touter
	192.168.2.0 192.68600 ol.0
	summy- Collision Lomain + Broadcast Jonain
	Stitch - layer 2 Device
	switch is much smarter than the hub.
r.	
	DST MAC. FF: FF: FF: FF: FF: FF:
	SUC MAC: AA.
	Routers operates on layer 3.
	Suny - Collisson Vs. broadcast domain: Aub, Switch. & Router.
	ARP-+ Paddr

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William Prado 04-25-2025 Background 1. tradional method "classic" router W 70 00 2. VLANS VLAN=virtual 3. Layer 3 / Layer 4 swich layer 3. the router is built into the switch. VLAN - Viotual Local Area Network northe Whatis VLAN and Why VLANZ Signestation. Security Easy to manage Broad cust does not go Subhets vs. Vland thre vovter, it will stay Improve performance you can separate the Management company departments by Subnet you will need to have rollier. Kouting Tables: router's internal maps gride data packets to their destinations. Dynamic houting: protocols outomate routing information exchange

4,2,500	Kenneth Wright Jr. William Pra Kunghteging. org	
youtubo Suny.	VLAN: Static us Dynamic VLAN Static is port base.	
.n.ul I . was	Dynamic (9 based on MAC address.	
Jutube Summy	Default VLAN & Native VLAN.  Ther VLAN Routing  ption 1. traditional	
0	option 2. Router on a Stick option 3. Multilayer Switch InterVLAN Routing.	,
youtube sunny	TEEE 804. 19. Tagging & Frunking Coasics.	
	Password! 1,2,4 + 5 Labs	
	11.2.0/24	
	10.10.1111	