Math 235 - Dr. Miller - Activity: Proof Launches - Fall 2024

	Th	ese tasks	are simp	lv logi	c/proof set-u	p practice to	prepare for our	upcoming Exam	#1.
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1. ((a)	Write t	he	"if"	direction	of:	3 ab i	f and	only	if 3	a or	3 b.
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1	(h)	Write the	launch	of a	proof by	contrapositive,	through c	no mosningful	contonco	howand	tho	NΠ	rς
(DΙ	write the	rauncn	or a	Droot by	contrapositive,	mrough c	те шеаптичти	sentence	bevona	une	INJ	LO

(c) Write the launch of a direct proof, through one meaningful sentence beyond the NTS.

2. (a) Write the "only if" direction of: ab = 0 if and only if a = 0 or b = 0.

(b) Write the launch of an appropriate proof style (and name that style), through one meaningful sentence beyond the NTS.

3. Write the launch of a proof by contradiction, through one meaningful sentence beyond the NTS: Let $x, y \in \mathbf{R}$. If x - y = y - x, then x = y.