Supplemental Notes Week 3

V3 is walional; can we do the same proof? $\sqrt{3} = \frac{a}{6}$ $3 = \frac{2}{5^2}$ $3b^2 = a^2$ $3a = \frac{2}{3}$ yes: from the fundamental Dieorem of arithmetric we can conclude if par a prime p, pla => pla Therefore, we can proceed as in the case of 12

X we will see it in Week 9

Conjunction, Implication and Distributive by $(b \lor d) \rightarrow L \not\leq (b \rightarrow L) \lor (d \rightarrow L)$ 7 (png) v r (-1pv7g) v r (7pvr)v(7qvr) $(p \rightarrow \tau) \vee (q \vee r)$