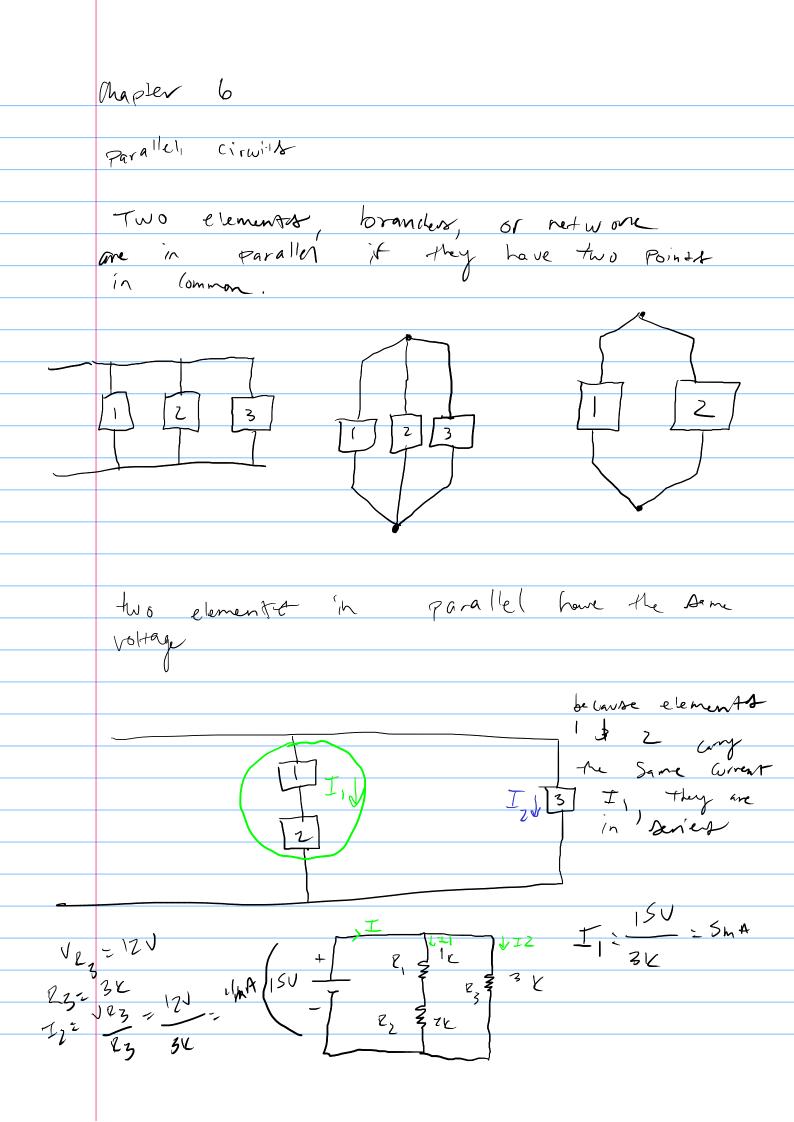
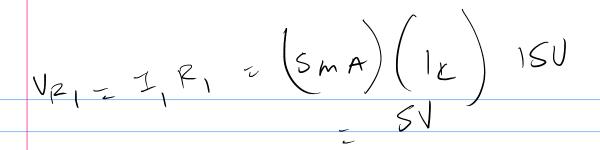
Chapter S

Vez = 12 - (82) (12.3 mA) - 2.21 82: - 714_0

find 2, ez, ez 5.61 3/2 P = IZ = JPZ = IVRZ R, = VRI = 5.6 = 560 52

 $R_3 - 9 + V_{R_3} + V_{R_2} + V_{R_1} = 0$ $V_{R_3} - 9 - V_{R_2} - V_{R_1} = 9 - I_{R_2} - 5.6$ = 9 - (10 MA)(2265) - 5.6 = 9 - 2.2 - 5.6





Kirchoff's Current Law (KCL)

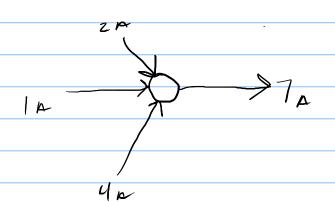
The algebraic sum of all currents entering or leaving a junction in zero.

The sum of currents entering a junction must be equal to the sum of currents leaving the junction

Entering = 2A+1A+4A = 7A

Entering a node = -

Leaving a node = +



|3=|1+|2=3A+2A=5A

13+15=14

5A+1A=I4=6A

