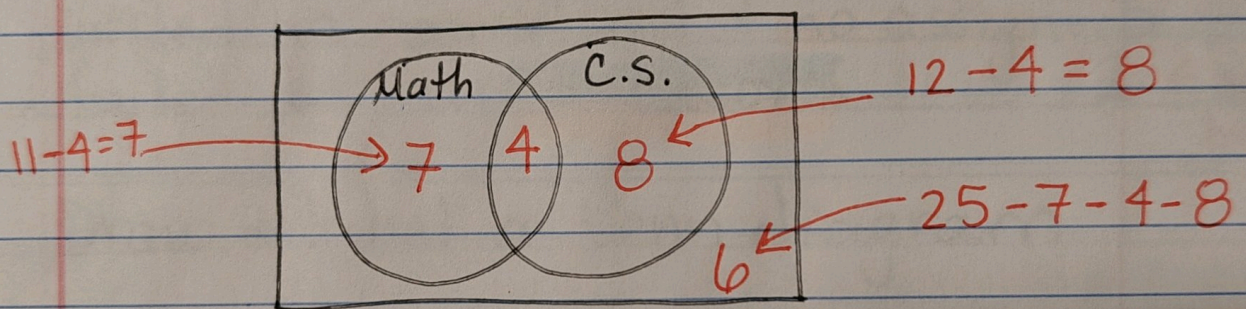


Section 2.4 Using Sets to Solve Problems Pg 1/3

ex 1 (similar to 2 of the hw probs)

In a class of 25 students, 11 were math majors, 12 were computer science majors, and 4 were dual majors in math and computer science.

Part 1 - Fill in the Venn diagram



Part 2 - How many were majoring in math only? 7

Part 3 - How many students were not majoring in computer science?
 $7 + 6 = 13$

Part 4 - How many students were not math or computer science majors? 6

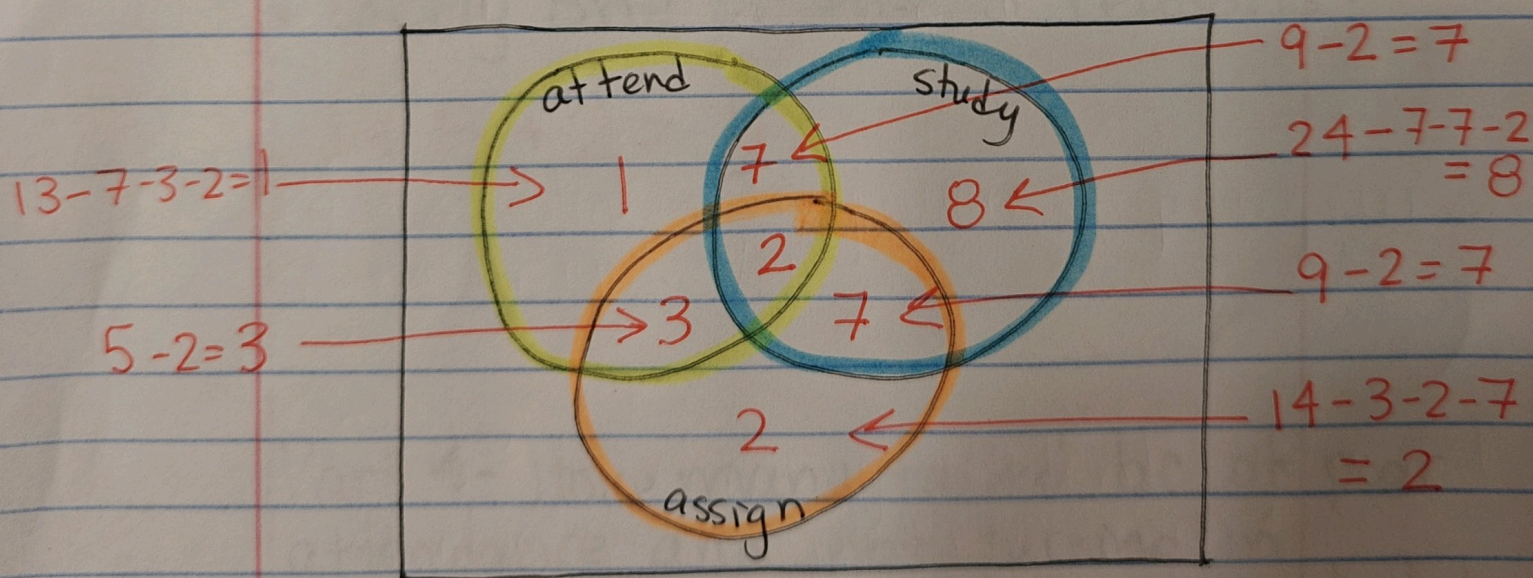
ex 2. (similar to 3 of hw probs)

One semester in a chemistry class:

failed due to poor attendance	13
failed due to not studying	24
failed bc did not turn in assignments	14
failed bc poor attend. + not study	9
failed bc not study + no assign.	9
failed bc poor attend + no assign	5
failed bc all 3 reasons	2

↑
start here

Draw + label a Venn diagram



Part 1 - How many students failed for exactly two of the three reasons?

$$7 + 7 + 3 = 17$$

Pg 3/3
Part 2 - How many failed bc of poor attendance and not studying but not bc of not turning in assignments?

Region is overlap of yellow and blue but not orange
7

Part 3 - How many failed bc of exactly one of the 3 reasons?

$$1 + 8 + 2 = 11$$

Part 4 - How many failed bc of poor attendance and not turning in assignments but not bc of not studying?

overlap of yellow and orange but not the part in blue
3