CS 132 Assignment1

Gordon Ng

TOTAL POINTS

25.75 / 32

QUESTION 1

4 pts

1.1 Question 1.a 2 / 2

- √ 0 pts Correct work and answer
 - 1 pts Correct work, but incorrect final answer
 - 1 pts Correct answer, but no work
 - 1.25 pts Incorrect work and answer
 - 2 pts No answer / incorrect answer

1.2 Question 1.b 0.75 / 2

- 0 pts Correct work and answer
- 1 pts Correct work, but incorrect final answer
- 1 pts Correct answer, but no work
- √ 1.25 pts Incorrect work and answer
 - 2 pts No answer / incorrect answer

QUESTION 2

4 pts

2.1 Question 2.a 2/2

- √ 0 pts We are not grading this question for correctness. Please check the solutions if you want to see whether you have the correct answers.
 - 2 pts No solution provided.

2.2 Question 2.b 2/2

- √ 0 pts We are not grading this question for correctness. Please check the solutions if you want to see whether you have the correct answers.
 - 2 pts No solution provided.

QUESTION 3

4 pts

3.1 Question 3.a 2/2

√ - 0 pts We are not grading this question for

correctness. Please check the solutions if you want to see whether you have the correct answers.

- 2 pts No solution provided.

3.2 Question 3.b 2/2

- √ 0 pts We are not grading this question for correctness. Please check the solutions if you want to see whether you have the correct answers.
 - 2 pts No solution provided.

QUESTION 4

4 Question 4 2 / 4

- 0 pts Correct answer and correct explanation
- ✓ 2 pts Correct answer, no explanation or incorrect explanation
 - 4 pts No answer or incorrect answer
 - The solution will be unique because a1 and a2 are not co-linear. This means that there is only one combination of the two vectors to reach every point in R2.

QUESTION 5

5 Question 5 3/4

- 0 pts Correct explanation
- √ 1 pts Did not mention "no free variables"
- 1 pts Did not mention "every column is a pivot column"
- 1 pts Did not conclude matrix A spans R3
- 4 pts No answer or incorrect answer

QUESTION 6

6 Question 6 4 / 4

- √ 0 pts Correct answer and explanation
 - 2 pts Correct answer, no explanation
 - 4 pts No answer or incorrect answer

4 pts

7.1 Question 7.a 2/2

- √ 0 pts Correct work and correct conclusion
 - 1 pts Correct work, incorrect conclusion
 - 2 pts No answer or incorrect answer

7.2 Question 7.b 2/2

- √ 0 pts Correct work and correct conclusion
 - 1 pts Correct work, incorrect conclusion
 - 2 pts No answer or incorrect answer

QUESTION 8

4 pts

8.1 Question 8.a 2 / 2

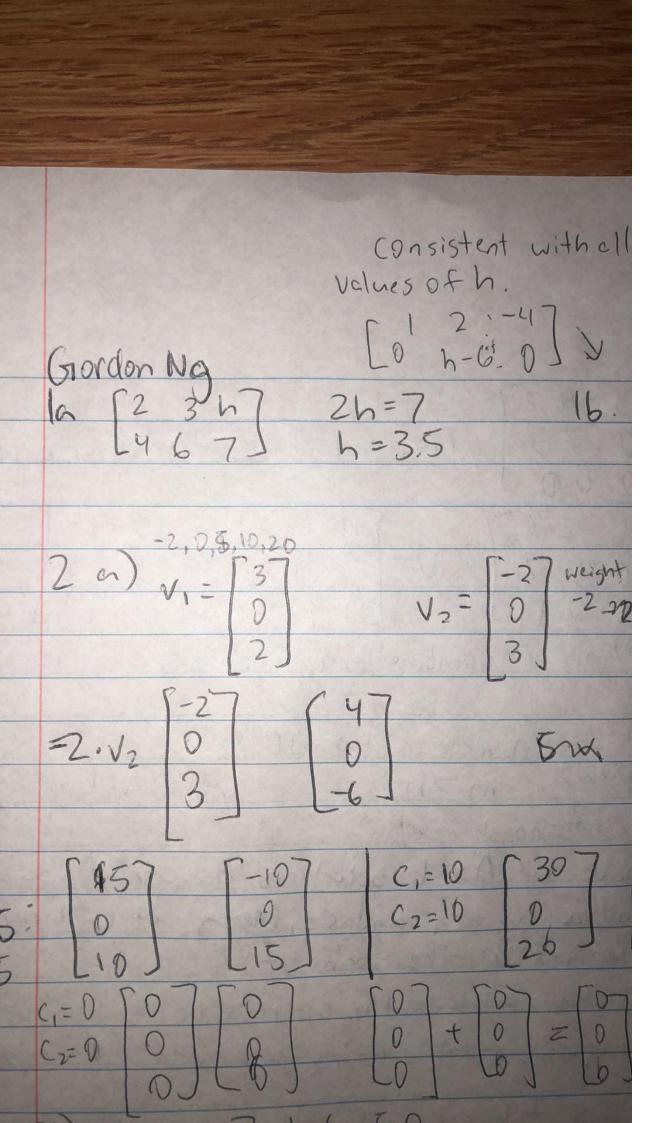
- √ 0 pts We are not grading this question for correctness. Please check the solutions if you want to see whether you have the correct answers.
 - 2 pts No solution provided.

8.2 Question 8.b o / 1

- **O pts** We are not grading this question for correctness. Please check the solutions if you want to see whether you have the correct answers.
- √ 2 pts No solution provided.

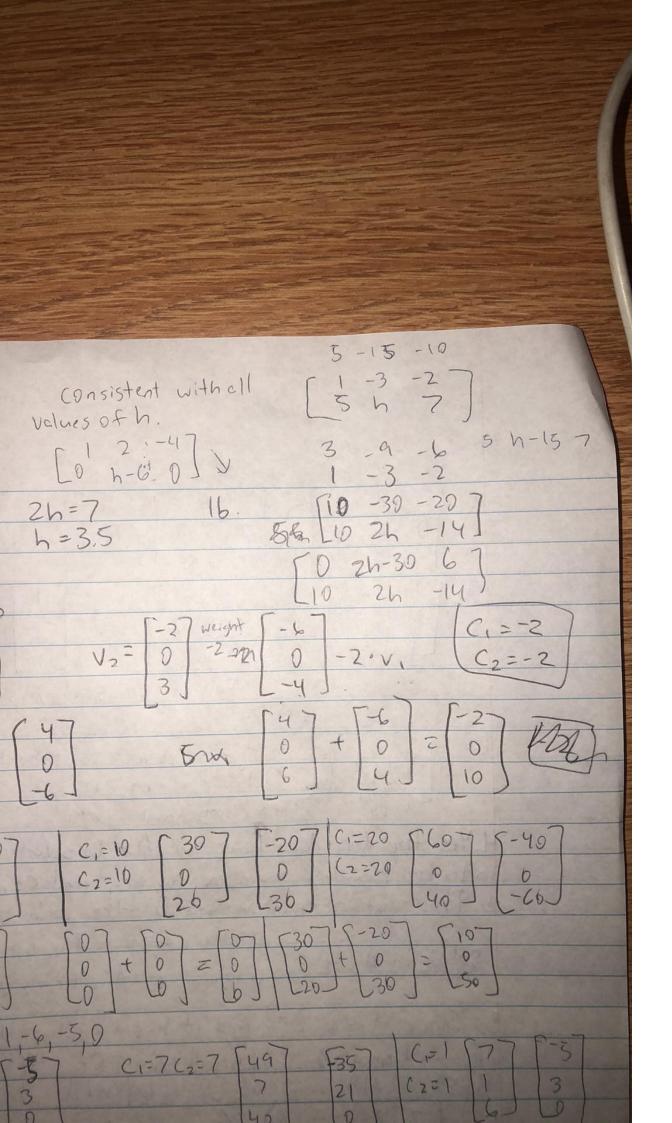
8.3 Question 8.c 0 / 1

- **O pts** We are not grading this question for correctness. Please check the solutions if you want to see whether you have the correct answers.
- √ 2 pts No solution provided.



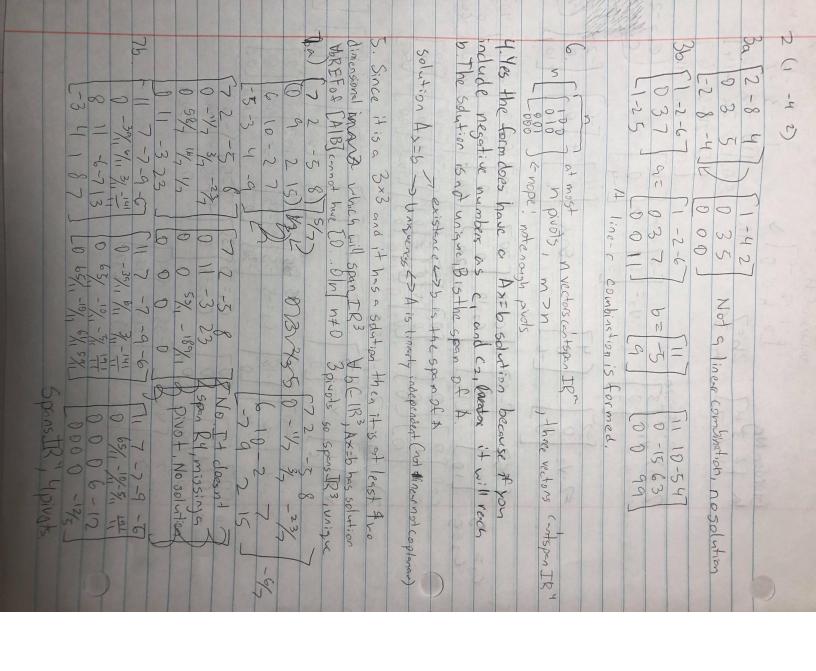
1.1 Question 1.a 2/2

- ✓ 0 pts Correct work and answer
 - 1 pts Correct work, but incorrect final answer
 - 1 pts Correct answer, but no work
 - 1.25 pts Incorrect work and answer
 - 2 pts No answer / incorrect answer



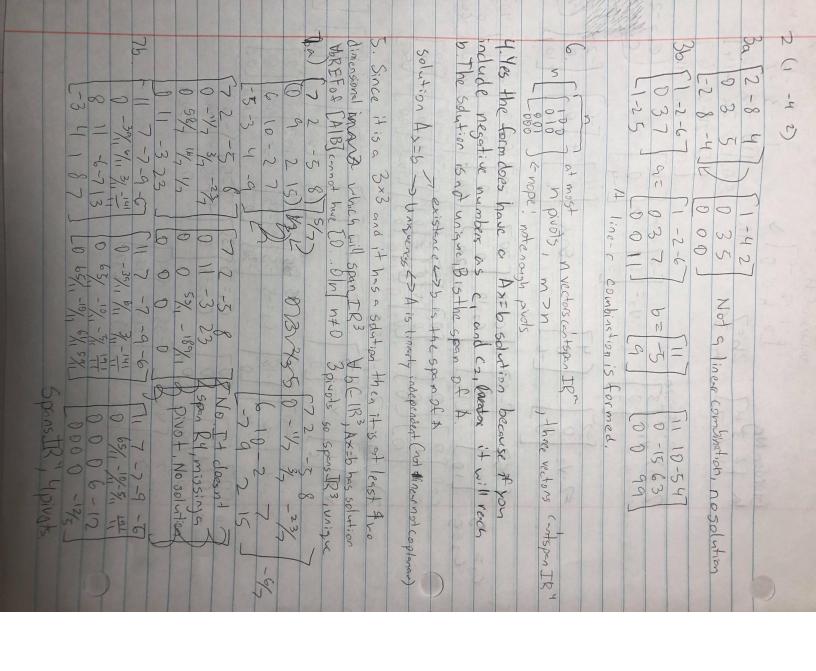
1.2 Question 1.b 0.75 / 2

- **0 pts** Correct work and answer
- 1 pts Correct work, but incorrect final answer
- 1 pts Correct answer, but no work
- ✓ 1.25 pts Incorrect work and answer
 - 2 pts No answer / incorrect answer



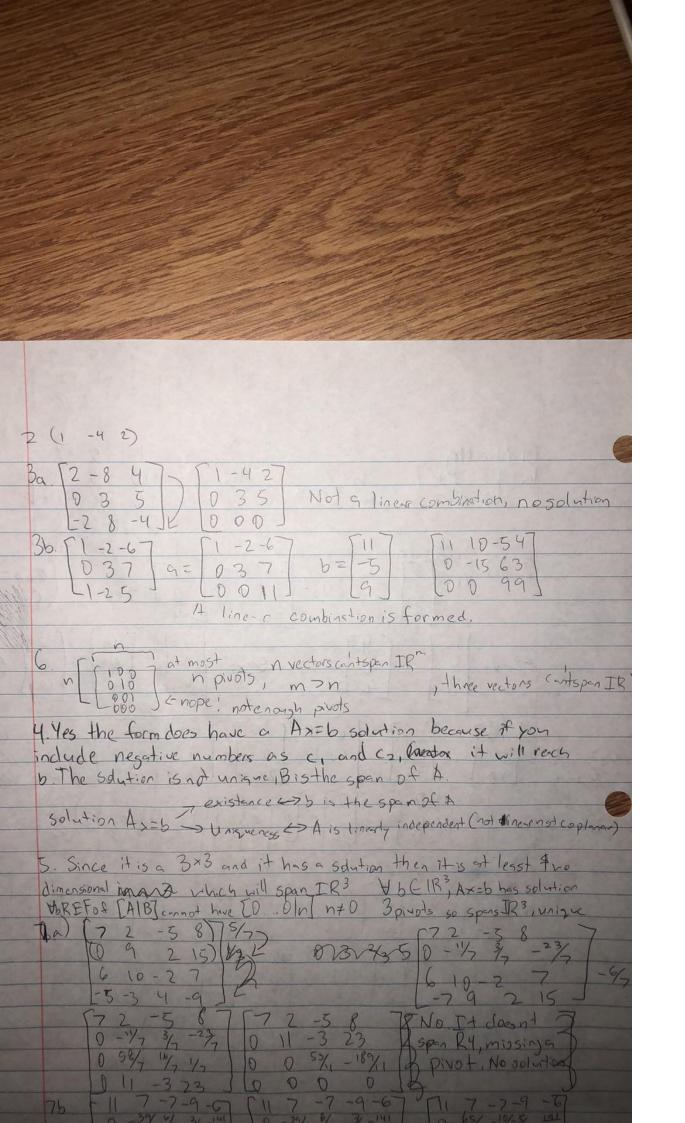
2.1 Question 2.a 2/2

- √ 0 pts We are not grading this question for correctness. Please check the solutions if you want to see whether you have the correct answers.
 - 2 pts No solution provided.



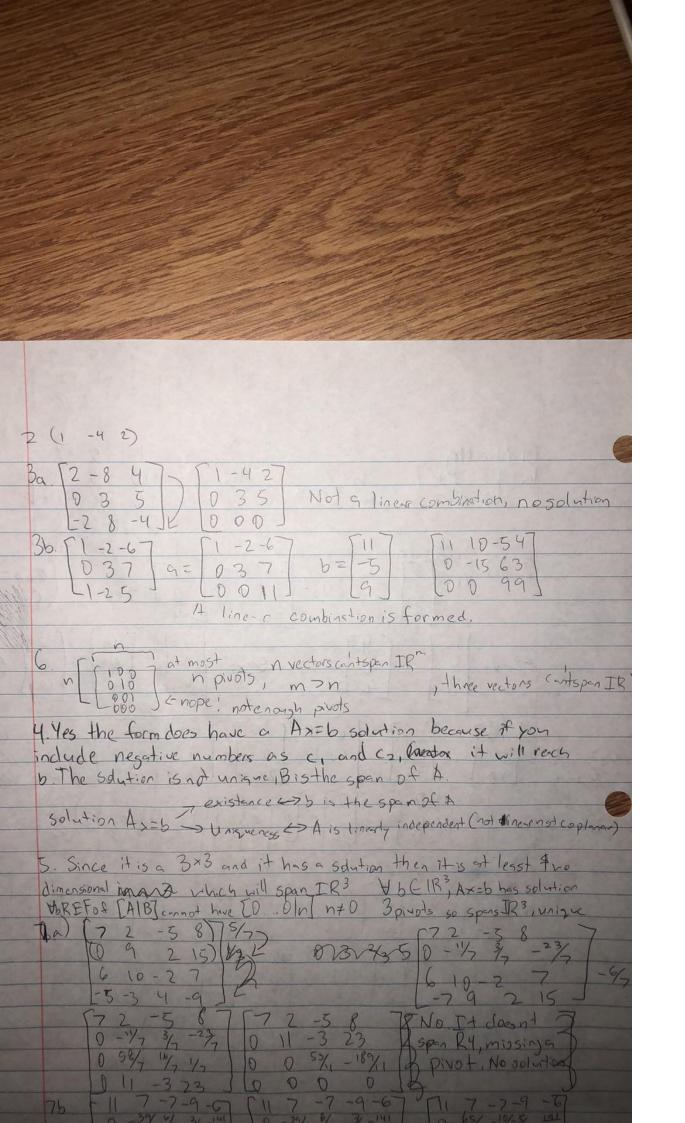
2.2 Question 2.b 2/2

- ✓ **O pts** We are not grading this question for correctness. Please check the solutions if you want to see whether you have the correct answers.
 - 2 pts No solution provided.



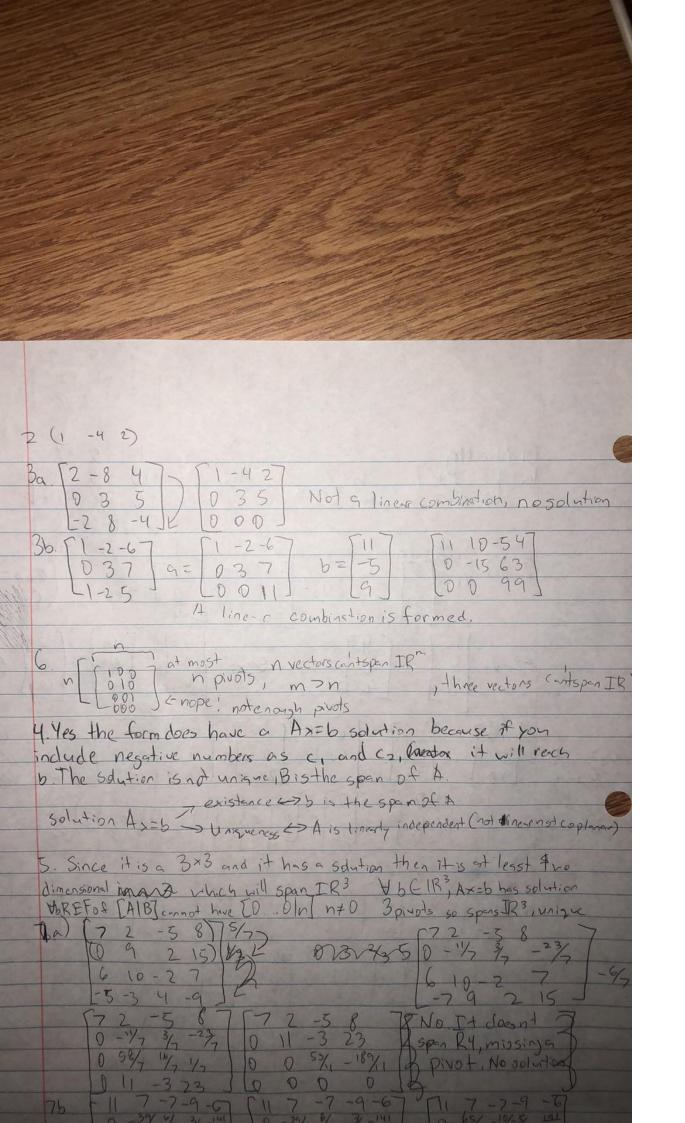
3.1 Question 3.a 2/2

- √ 0 pts We are not grading this question for correctness. Please check the solutions if you want to see whether you have the correct answers.
 - 2 pts No solution provided.



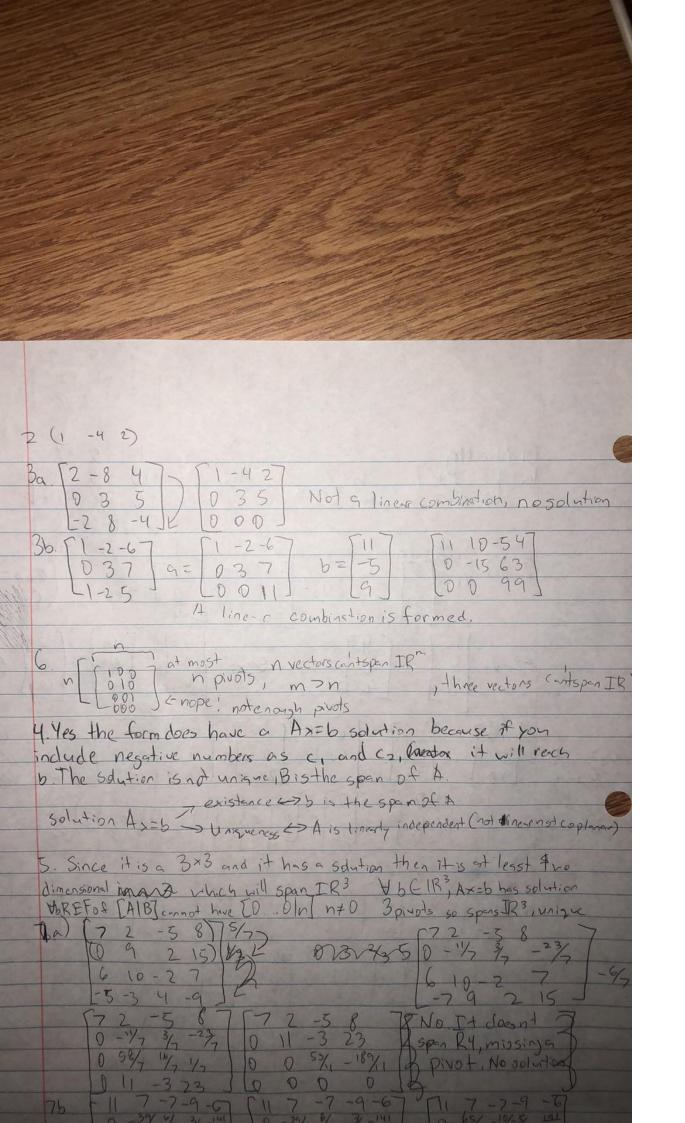
3.2 Question 3.b 2/2

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 - 2 pts No solution provided.



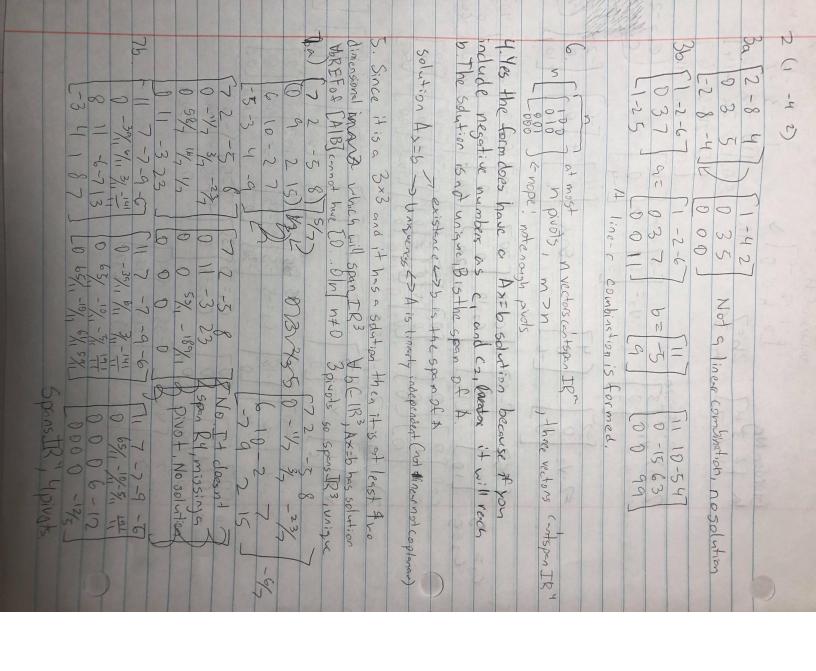
4 Question 4 2 / 4

- **0 pts** Correct answer and correct explanation
- √ 2 pts Correct answer, no explanation or incorrect explanation
 - 4 pts No answer or incorrect answer
 - The solution will be unique because a1 and a2 are not co-linear. This means that there is only one combination of the two vectors to reach every point in R2.



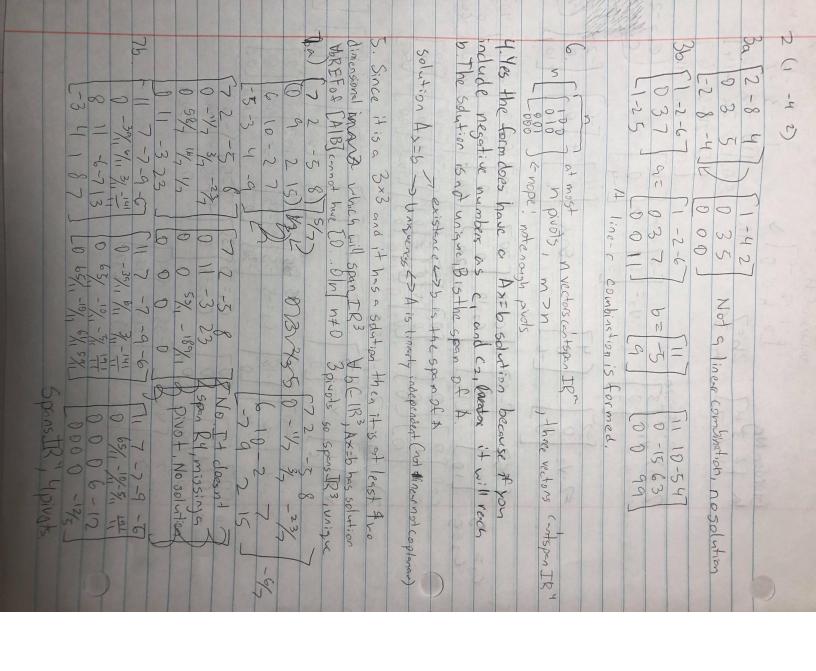
5 Question 5 3/4

- **O pts** Correct explanation
- √ 1 pts Did not mention "no free variables"
 - 1 pts Did not mention "every column is a pivot column"
 - 1 pts Did not conclude matrix A spans R3
 - 4 pts No answer or incorrect answer



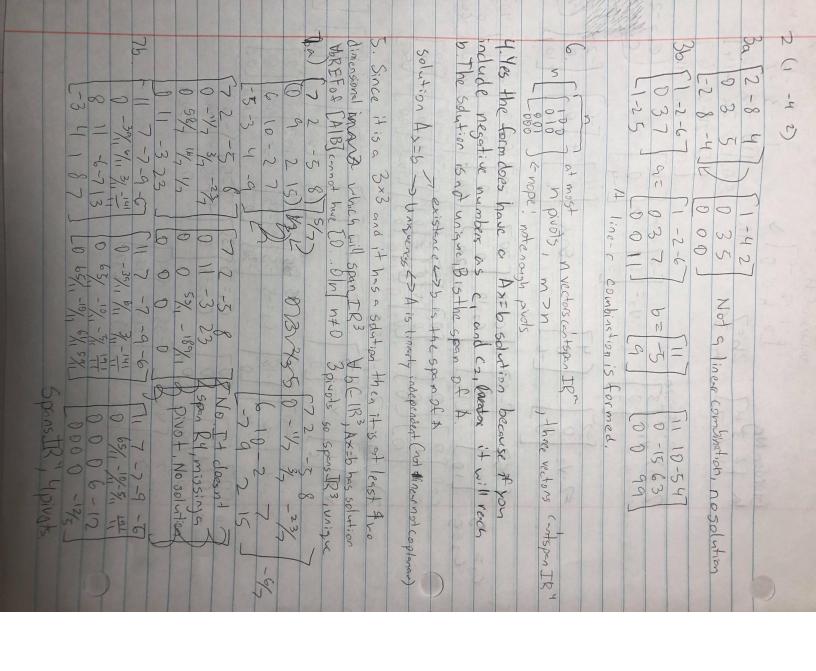
6 Question 6 4 / 4

- √ 0 pts Correct answer and explanation
 - 2 pts Correct answer, no explanation
 - 4 pts No answer or incorrect answer



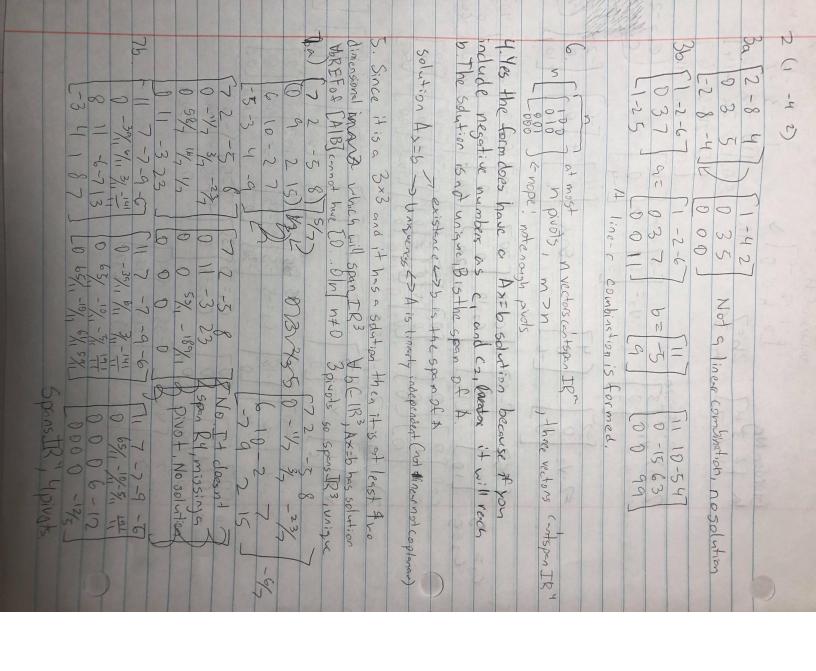
7.1 Question 7.a 2/2

- √ 0 pts Correct work and correct conclusion
 - 1 pts Correct work, incorrect conclusion
 - 2 pts No answer or incorrect answer



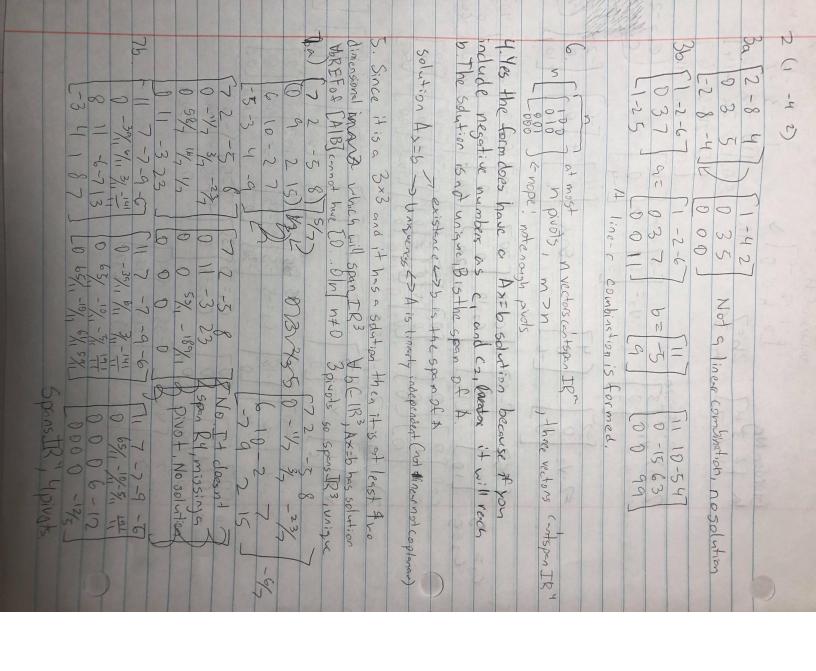
7.2 Question 7.b 2/2

- √ 0 pts Correct work and correct conclusion
 - 1 pts Correct work, incorrect conclusion
 - 2 pts No answer or incorrect answer



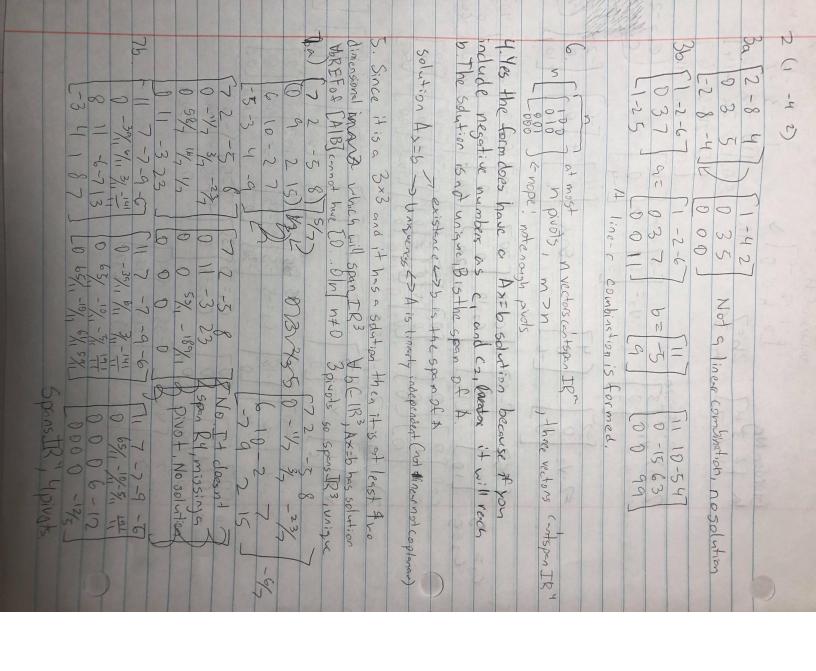
8.1 Question 8.a 2 / 2

- ✓ **O pts** We are not grading this question for correctness. Please check the solutions if you want to see whether you have the correct answers.
 - 2 pts No solution provided.



8.2 Question 8.b 0 / 1

- **O pts** We are not grading this question for correctness. Please check the solutions if you want to see whether you have the correct answers.
- √ 2 pts No solution provided.



8.3 Question 8.c 0 / 1

- **O pts** We are not grading this question for correctness. Please check the solutions if you want to see whether you have the correct answers.
- √ 2 pts No solution provided.