## Math 308 L Week 2 Conceptual Problems

## Harmony Shirk

TOTAL POINTS

## 20 / 20

**QUESTION 1** 

1 no answer needed 5/5

√ + 5 pts Correct

QUESTION 2

2 5/5

√ + 5 pts Correct

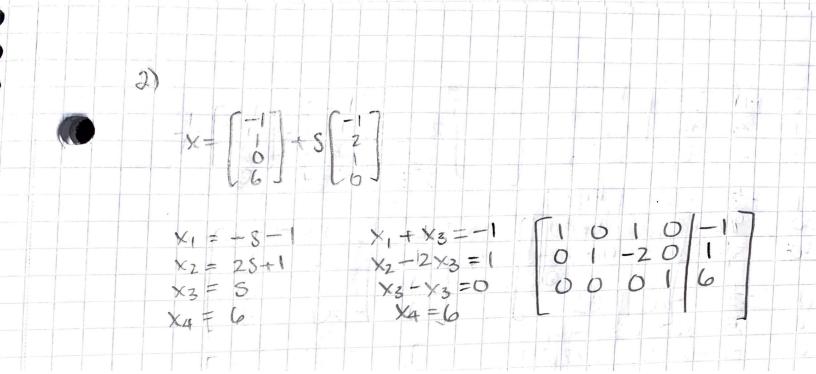
QUESTION 3

3 5/5

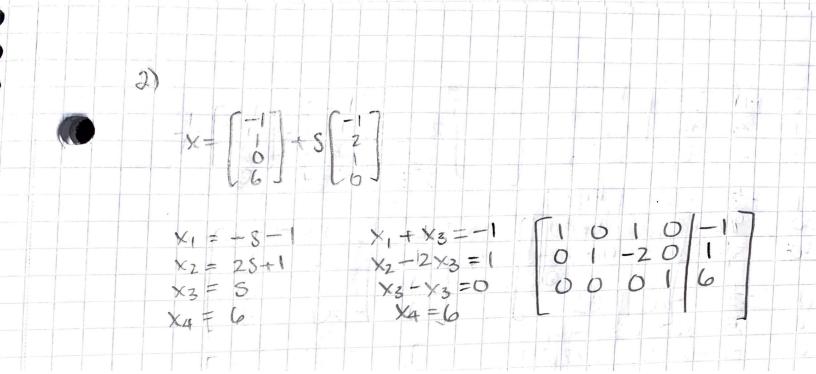
√ + 5 pts Correct

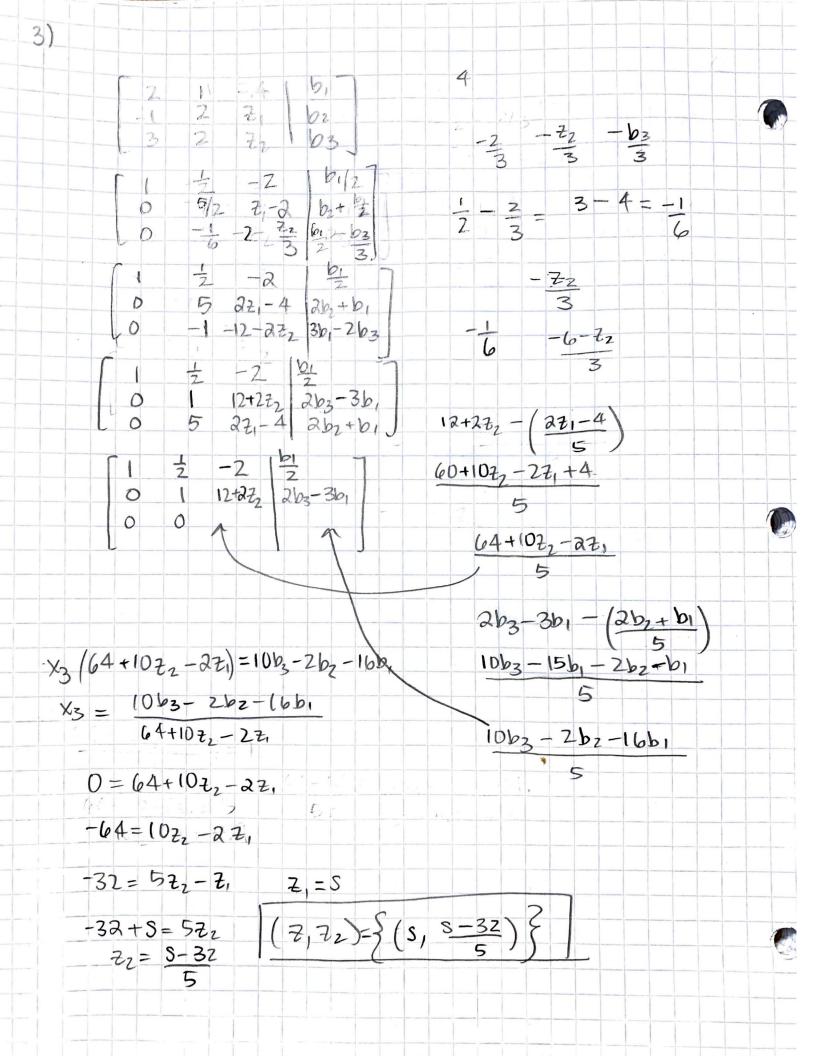
**QUESTION 4** 

4 5/5



## 1 no answer needed 5 / 5





4)

A)

$$P = \begin{cases} \begin{cases} y_1 \\ y_2 \\ y_3 \end{cases}, & y_1 - y_1 + 4x_3 = 0 \end{cases} \qquad \begin{cases} x_1 = 2x_1 + 4x_3 \\ 4x_3 = x_1 \\ 2x_1 + 4x_3 = x_2 \end{cases} = \begin{cases} x_1 \\ 2x_1 \\ x_3 \end{cases} = \begin{cases} x_1 \\ x_1 \\ x_2 \end{cases} = \begin{cases} x_1 \\ x_3 \end{cases} = \begin{cases} x_1 \\ x_1 \end{cases} =$$

$$2\alpha + 7\left(\frac{5}{9}\alpha\right) - C = 0 \qquad \alpha x_1 + \left(\frac{5}{9}\alpha\right) x_2 + \left(\frac{17}{9}\alpha\right) x_3 = 0$$

$$C = \frac{18\alpha - 35\alpha}{9} = \frac{-17\alpha}{9} \qquad \frac{\alpha}{9}\left(\frac{9x_1 - 5x_2 - 17x_3}{9}\right) = 0$$

$$\frac{\alpha}{9x_1 - 5x_2 - 17x_3} = 0$$