

Math 242 Class Exercise 1: Assessment
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1. Find a solution for x and y for the following system:

$$x + 2y = 10 \tag{1}$$

$$3x + y = 20 \tag{2}$$

2. Find a solution for x, y, z for the system:

$$x + y + z = 1 \tag{3}$$

$$x + 2y + 4z = 4 \tag{4}$$

$$3x + 2y + z = 1 \tag{5}$$

3. What is a matrix? How would you define it? Can you give me an example?
4. Can you do algebra with matrices? Give an example
5. Can you multiply two matrices? How's about inverting a matrix? Can you think of an example?