Solve each of the following systems by elimination without matrices (5.2) and with matrices (6.1). See how the solutions are formatted to see what I mean.

$$
x+y+z=6
$$

1. $2 x-2 y-z=-5$

$$
3 x+y-z=2
$$

$$
4 x-2 y+z=13
$$

2. $3 x-y+2 z=13$

$$
x+3 y-3 z=-10
$$

$$
x+3 y+7 z=11
$$

3. $2 x+7 y+17 z=24$

$$
-x-4 y-10 z=-13
$$

$$
2 x-6 y+4 z=8
$$

4. $3 x-9 y+6 z=12$

$$
5 x-15 y+10 z=20
$$

$$
x-3 y+2 z=4
$$

5. $3 x-9 y+6 z=12$

$$
5 x-15 y+10 z=21
$$

6. Find the coefficients $a, b$, and $c$ of a parabola (quadratic function) $f(x)=a x^{2}+b x+c$, given that the following 3 points on its graph: $(1,5),(3,19)$, and $(-2,29)$.
