Examples
$$-x + 2y - 2 = 0$$

$$-x - y + 2z = 0$$

$$2x + 0y - z = 4$$

3/25/16 6

$$R_{z} - R_{1}$$
 $\begin{bmatrix} -1 & 7 & -1 & 6 \\ 0 & -3 & 3 & 0 \\ R_{3} + 2R_{1} & 0 & 4 & -3 & 4 \end{bmatrix}$

$$\frac{1}{3}R_{2}$$

$$0$$

$$-1$$

$$0$$

$$1$$

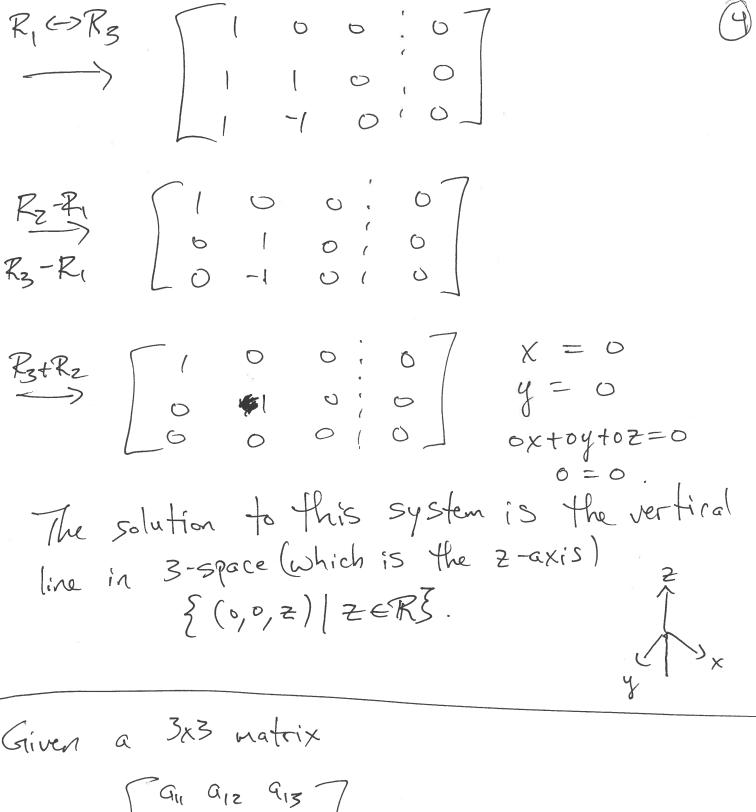
$$0$$

$$0$$

$$-3$$

$$4$$

5× -8/72=14



Given a 3x3 matrix

the determinant is

(det(10)) - (-1)-det(10) + 0 det(11)

6.

f(x) = x2 + 2, no inverse (fails horizontal line test)

g(x) = x + 5, g'(x) = x - 5.