

Soluții

1. a)
$$\begin{cases} x = 0 \\ x + y + z = 1 \\ x + 2y + 4z = 2 \end{cases} \quad ; \quad x = 0, y = 1, z = 0.$$
- b) $\det A = (a - b)(b - c)(c - a).$
- c) $\Delta_x = \Delta_z = 0, \Delta_y = \det A; \quad x = 0, y = 1, z = 0.$
2. a) $(x * y) * z = x * (y * z) = x + y + z + 2m, \quad \forall x, y, z \in \mathbb{R}.$
- b) $m = 6.$
- c) $m = \sqrt{2}.$