

1.
$$1^2 + 1 = (1 - 1)(2 - 1) + b + 1 = -(1 + 2) + 1, -1, 0, \dots$$

2.
$$(2n+1)^2 = 4n^2 + 4n + 1 = 4n(n+1) + 1.$$

3.
$$\begin{cases} 5x + 10y + 15z + 20t = 60 \\ x + 2y + 3z + 4t = 12 \\ 5x + 4y + 3z + 2t = 3 \end{cases}$$

$$t = 0,7, \quad 3x + 2y + z = 1,6, \quad y = 0,5 - 2z - 3t, \quad 2y = 1,6 - z - 3x; \quad 3x = 0,6 + 3z + 6t > 3z.$$

4. K, L, M, AB, AC, BE, DK, BE, P, DLEM - AD. $\angle EDM > \angle DEM = 90^\circ - \angle EDM, \quad \angle EDM > 45^\circ. \quad \angle EDM = \angle CED,$

5.
$$81 = 100 - 19, \quad 2001 = 101 \cdot 19 + 81$$