(1.1): $\Sigma = \{a, b, c\}$

$\Sigma^0 = \{\varepsilon\}$

$\Sigma^1 = \{a, b, c\}$

$\Sigma^2 = \{aa, ab, ac, bb, ba, bc, cc, ca, cb\}$

$\Sigma^3 = \{aaa, aab, aac, abb, aba, abc, acc, aca, acb,$
$baa, bab, bac, bbb, bba, bbc, bcc, bca, bcb,$
$caa, cab, cac, cbb, cba, cbc, ccc, cca, ccb\}$

(1.2): $\Sigma = \{♡, ♠\}$

$\Sigma^* = \{\varepsilon, ♡, ♠, ♡♡, ♡♠, ♠♡, ♠♠, ♡♡♡, ♡♡♠, ♡♠♡, ♡♠♠,$
$♠♡♡, ♠♡♠, ♠♠♡, ♠♠♠, ♡♡♡♡, ♡♡♡♠, ♡♡♠♡,$
$♡♠♡♡, ♠♡♡♡, \ldots\}$

$\Sigma^+ = \{♡, ♠, ♡♡, ♡♠, ♠♡, ♠♠, ♡♡♡, ♡♡♠, ♡♠♡, ♡♠♠,$
$♠♡♡, ♠♡♠, ♠♠♡, ♠♠♠, ♡♡♡♡, ♡♡♡♠, ♡♡♠♡,$
$♡♠♡♡, ♠♡♡♡, \ldots\}$

(1.3): $L = \{w \mid w$ número par de 0's ou número ímpar de 1's$\}$

$\{0000, 11111, 00111\}$

c, d, e

(1.4) $L = \{a^n b^m c^n \mid n \geq 0$ e m é ímpar$\}$

$\{aabbbcc\}$

c