(1) (2pts) What is a homogeneous linear system?

(2) (3pts) How many solutions can a homogeneous linear system have? Explain your reason.

(3) (5pts) If a homogeneous linear system \( L \) has \( t \) equations and \( n \) variables, where \( t > n \), how many solutions can this homogeneous linear system \( L \) have? For each possibility you claim, give one example including its solution set.