1. Problems 3.8.5, 3.8.7, 3.8.10, 4.3.5, 4.3.13, 4.3.15

2. Determine the number of solutions of the equation

\[ x_1 + x_2 + x_3 + x_4 = 14 \]

in positive integers \( x_i \) not exceeding 8.