Name	Discrete II, Quiz 2
Please do not simplify answers!	
1) A hand in hearts contains 13 random cards from a standard deck of cards. How ma all four queens?	ny hands contain
2) How many integer solutions are there to $x_1 + x_2 + x_3 + x_4 + x_5 + x_6 = 15$	
where $x_i \ge 0$ and $x_3 \ge 4$?	
3) Alice will draw 7 cards out of a standard deck of cards. What is the probability that has both a four of a kind and a three of a kind?	in her hand she