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Homework 2

1. Often, real data is messy, and may have missing information. In the following examples, we consider finding the MLE in these types of scenarios.
 - (a) We believe a particular measurement is approximately normally distributed. However, we are only able to measure accuracy up to integer values. Thus, we observe 3 partial values: $1 \leq x_1^* < 2$, $3 \leq x_2^* < 4$, and $6 \leq x_3^* < 7$. Find an expression of the likelihood function under this model.