Quiz on 7.1: Sample spaces and events

1. In an experiment, a six-sided die is rolled once. Describe the event "the number rolled is less than 5 and also greater than or equal to 2" by circling the sample points included in that event:

 $\{1, 2, 3, 4, 5, 6\}$

2. Describe the sample space associated to the experiment of flipping a coin three times and recording the sequence of results. How many sample points are there?

3. Describe the sample space associated to the experiment of flipping three indistinguishable coins and recording how many heads you get. How many sample points are there? Are they all equally likely?