Practice worksheet | Probability

Compound-event sample spaces

Name: _____ Date: _____

6 questions | 12 marks

1. List the sample space for two fair independent coin tosses. [1 mark]

2. Find $P(\text{two heads})$ for two fair independent coin tosses. [2 marks]

3. A fair coin and an independent fair die are used. How many ordered outcomes are possible? [2 marks]

4. For a fair coin and independent fair die, find $P(\text{heads and die greater than } 4)$. [2 marks]

5. An equal spinner labelled A, B, C is spun twice independently. Find $P(\text{same letter})$. [2 marks]

6. Explain why zero, one and two heads are not equally likely in two fair independent tosses. [3 marks]