

Name: _____

Mutually Exclusive Events

- 1) The faces of a cube are numbered from 1 to 6. If the cube is tossed once, what is the probability that a prime number or a number divisible by 2 is obtained?

- 2) A single card is drawn from a pack of 52 playing cards. What is the probability that it is
 - 1) queen or a six
 - 2) red or ace
 - 3) black or jack
 - 4) club or queen
 - 5) king or heart

- 3) A class contains 12 freshmen and 15 sophomores in which one third of the freshmen and one third of the sophomores have blue eyes. Find the probability that the person chosen at random is a sophomore or has blue eyes.

- 4) A card is selected at random from an ordinary deck of 52 cards, what is the probability that the card is neither a diamond nor a face card?