Name_____

Mutually Exclusive Events

Date_____ Period____

Determine if the scenario involves mutually exclusive events.

1) A spinner has an equal chance of landing on each of its eight numbered regions. After spinning, it lands in region three or six.

2) A bag contains six yellow jerseys numbered one to six. The bag also contains four purple jerseys numbered one to four. You randomly pick a jersey. It is purple or has a number greater than five.

3) A magazine contains twelve pages. You open to a random page. The page number is eight or ten.

4) A box of chocolates contains six milk chocolates and four dark chocolates. Two of the milk chocolates and three of the dark chocolates have peanuts inside. You randomly select and eat a chocoate. It is a milk chocolate or has no peanuts inside.

Find the probability.

5) A magazine contains fourteen pages. You open to a random page. The page number is three or seven.

6) A basket contains three apples, three peaches, and four pears. You randomly select a piece of fruit. It is an apple or a peach.

7) You roll a fair six-sided die. The die shows an even number or a number greater than three.

8) A box contains three red playing cards numbered one to three. The box also contains five black playing cards numbered one to five. You randomly pick a playing card. It is black or has an odd number.