NAME:

CLASS:

CHAPTER 9: PROBABILITY OF COMBINED EVENTS

SUBTOPIC 9.2- DEPENDENT EVENTS AND INDEPENDENT EVENTS

1. Determine whether each of the following events is INDEPENDENT or DEPENDENT.

   a) Syazwan tosses a dice and the number shown is recorded. Then, the dice is tossed again. ____
   b) A pointer on the lucky draw wheel is spun and the sector shown is recorded. Then the pointer is spinned again. ____
   c) Two game cards are choosen at random from a box, one after another, without returning the first letter card. ____

3. A fair coin and a fair dice are tossed simultaneously. Use a possibility diagram to show all the posibble outcomes.

Dice/ coin	H	T
1	(,)	(,)
2	(,)	(,)
3	(,)	(,)
4	(,)	(,)
5	(,)	(,)
6	(,)	(,)

2. Nico takes out 2 black balls and put another 4 white balls into the bag. A ball is chosen at random from the bag. What is the probability that a black ball is chosen?

   A. $\frac{3}{4}$ C. $\frac{2}{5}$

   B. $\frac{2}{7}$ D. $\frac{1}{3}$

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LIVEWORKSHEETS