

NAME: _____

1. Identify the mutually exclusive events.

[A] A and B when $P(A \cap B) = 1$

[B] A and B when $P(A \cap B) = .1$

[C] A and B when $P(A \cap B) = 0$

[D] A and B when $P(A \cap B) = .2$

2. Identify the mutually exclusive events.

[A] picking a 5 from a deck of cards, rolling a 3

[B] with one roll of a number cube, rolling a 5, rolling a 3

[C] with two rolls of a number cube, rolling a 5, rolling a 3

[D] rolling a 5, drawing a 5 from a deck of cards

3. Identify the mutually exclusive events.

[A] Amy scores less than 10 points, Amy scores 8 points

[B] Amy scores 10 points, Amy's team wins

[C] Amy scores 10 points, Amy scores more than 10 points

[D] Amy scores 10 points, Amy's team loses

4. Identify the mutually exclusive events.

[A] on Election day, Sue votes, Sue doesn't vote

[B] on Election day, Sue votes, Mya doesn't vote

[C] on Election day, Sue votes, Mya votes

[D] on Election day, Mya votes, Sue doesn't vote

5. Identify the mutually exclusive events.

[A] A and B when $P(A \text{ or } B) = .8$, and $P(A) = .3$, and $P(B) = .6$

[B] A and B when $P(A \text{ or } B) = .6$, and $P(A) = .1$, and $P(B) = .4$

[C] A and B when $P(A \text{ or } B) = .9$, and $P(A) = .3$, and $P(B) = .6$

[D] A and B when $P(A \text{ or } B) = .3$, and $P(A) = .3$, and $P(B) = .6$

[1] C

[2] B

[3] C

[4] A

[5] C