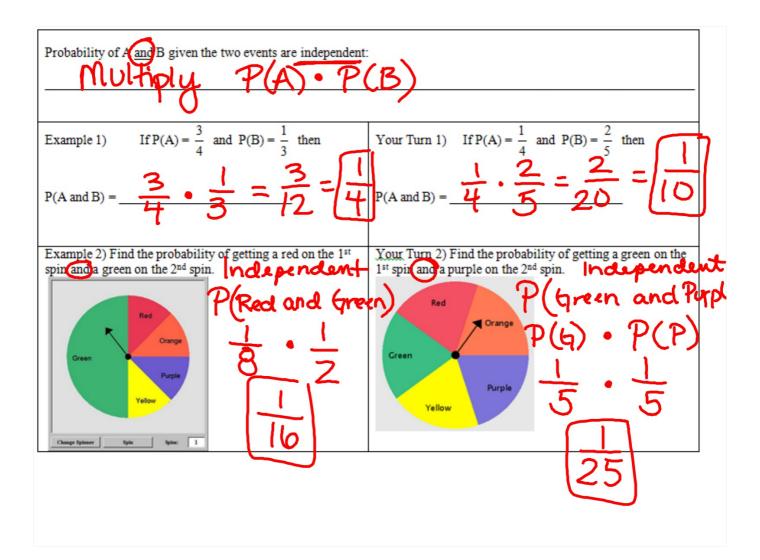
Dependent Events When the outcome of a Second event.

Independent Events When the outcome of a Second event dues

NOT affect the outcome of a Second event.

cample 1) Classify and explain each set of events as pendent or independent:	Your Turn 1) Classify and explain each set of events a dependent or independent:
coll a number cube. Then toss a coin.	*Selecting two Aces from a deck of cards when the 1st
Independent	is replaced. ndependent
pinning a 4 and then a 4 again on a spinner.	*Flipping a coin twice and it is heads both times.
Independent	Independent
	*Select a marble from a bag that contains marbles of 2
selecting two Aces from a deck of cards when the 1st one not replaced	colors. Put the marble aside ands then select another marble.
Dependent	dependent
	3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3



Mutually Exclusive (M.E): Two events that cannot occur at the Same time.
Not Mutually Exclusive (N.M.E): Two events that can happen at the Same time.
Probability of A or B = $P(A) + P(B)$ Not Mutually Exclusive: $P(A \text{ or B}) = P(A) + P(B) - P(A \text{ on a B})$
P(2 or Even)
$P(2) + P(Even) - P(2and Even)$ $\frac{1}{4} + \frac{3}{6} - \frac{1}{6} = \frac{1}{2}$

