**ACCELERATED ALGEBRA ONE NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**PROBABILITY - COMPOUND EVENTS**

compound event = \_\_\_\_\_\_ or \_\_\_\_\_\_\_\_ events v. simple event = \_\_\_\_\_\_\_ event

**compound events**

**dependent**

**events**

**independent events**

P (A and B) = P (A and B) =

when the event A is followed by event B when the event A is followed by event B

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| 1. What is the probability of flipping a coin and getting tails three times in a row? 2. A bag contains 1 red, 2 blue and 3 white marbles. What is the probability of choosing a blue, putting the marble back and choosing blue again? 3. What is the probability of pulling out three marbles and they all will be white? | 1. What is the probability of choosing a blue marble, holding it in your hand and choosing another blue marble? |

What are the components of a standard deck of cards?

Consider a standard deck of cards

1. P (heart) =
2. P(2 hearts, w/ repl.) =
3. P(2 hearts, no repl.) =
4. P (four) =
5. P (four and red) =
6. P (four or red) =
7. P (Ace and spade) =
8. P (Ace|given spade) =