GRADE12 APPLIED UNIT A – PROBABI DEPENDENT AND	Name: Date:										
SHOW WORK INDEPENDE Why Did the Acto	P(A NT EVEN NT Jump	and ITS Out	B) = (the Of	P(/ one a V	4) * e doe /ind	P(B) es no ow I	ot af In T	fect ime	the s S	othe qua	r) re?
Find each answer in the s				xercis	e. Writ	te the	exerci	se lett	er in 1	that b	юх.
 Find each probability if you T. P(blue, A) E. P(red, A) O. P(white, B) 	 A. P(not a) E. P(not a) D. P(not b) 	red, A white, olue,	а) , в) в)			red	red	ite	B	A	B
 Find each probability if you A. P(white, 2) 	spin the spin T. P(strip					F				<i>\</i>	
H. $P(\text{black, 6})$ E. $P(\text{white, even})$	K. P(not s W. P(gree	stripe	d, od		')	Q	ţ	Ì			
 Solve. M. Suppose the probability plug is defective is 1/24 buy two new spark plug what is the probability are defective? 	. And supp ugs for a mo	ose yo	ou cle.	N.	quest Supp for th guess	tions, ose yo tree of s. Wh	each ou do f thes at is	severa with i n't kn e ques the pr correc	five cl ow th stions cobab	hoice le ans s, so y	swers you
$\left(\frac{1}{12} \right) \left \frac{2}{15} \right \left \frac{1}{496} \right \left 0 \right \left \frac{1}{5} \right $	$\left \frac{1}{125} \right \frac{1}{15}$	$\frac{1}{8}$	$\frac{8}{15}$	$\frac{1}{75}$	$\frac{1}{6}$	$\frac{4}{15}$	58	$\frac{1}{576}$	$\frac{1}{24}$	38	$\frac{2}{5}$

WORKSPACE:

DEPENDENT (the first event affects the second event)

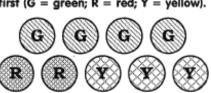
P(A then B) = P(A) * P(B | A)

ARKANSAS": Find each probability if you pick a card, do NOT replace it, then pick a second card.

- **O.** P(N, then K) **B.** P(S, then A)
- **A.** P(R, then S) **Y.** P(S, then not S)
- **I.** P(A, then N) **A.** P(A, then not A)

Find each probability if you pick two marbles without replacing the first (G = green; R = red; Y = yellow).

- **O.** P(red, then green) **N.** P(yellow, then not yellow)
- **A.** P(red, then yellow) **T.** P(green, then not green)
- **W.** P(green, then green) **D.** P(not red, then not red)



6 Solve.

- H. Two students are chosen at random from a class of 30. What is the probability that both you and your best friend are chosen?
- **R.** Two cards are drawn at random from a standard deck of 52 cards. What is the probability that both cards are aces?

$\left[\frac{1}{12}\right]$	$\frac{7}{18}$	$\frac{1}{435}$	$\frac{3}{56}$	$\frac{5}{18}$	$\frac{2}{869}$	$\frac{1}{56}$	$\frac{1}{4}$	$\frac{3}{220}$	$\frac{3}{28}$	$\frac{1}{221}$	$\frac{1}{9}$	$\frac{15}{56}$	$\frac{7}{12}$	$\frac{1}{6}$	$\frac{1}{28}$	$\frac{3}{14}$)
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WORKSPACE: