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Name

[1	L3-7A Lesson Ma	aster _{See S}	Questions on SPUR Objectives tudent Edition pages 934–937 for objectives.
(U	SES) Objective J		
1.	f the probability that an event occurs is <i>p</i> , what is the probability that		
2.	f the probability that an event occurs is <i>p</i> , what is the probability hat the event occurs exactly <i>r</i> times in <i>n</i> independent trials?		
3.	uppose you flip six fair coins. Find the probability of getting		
	a . all six heads.	b.	exactly one head
	c . exactly three heads	d.	at least five heads
4.	The AA Minor League Baseball team Akron Aeros is playing a three-game series with the Bowie Baysox. Suppose there is a 60% probability that Akron will win any particular game. Find the probability that Akron wins		
	a. all three games.	b.	exactly two games.
	c. exactly one game.	d.	none of the games.
5.	5. Airlines routinely sell more tickets for a flight than they have seats, expecting some people to not arrive. Suppose an airline sells 52 tickets for a regional jet flight with 50 seats. From previous data, they expect that each passenger has a 90% chance of showing up for the flight. Find the probability that more than 50 people show up.		
In 6 pen teac Sup narr gue	5 and 7, consider a standardized alty for wrong answers in the mu cher recommends that you reaso pose you do not know the answe rowed each of them down to thre essing correctly on any one quest	test like the SAT where ultiple-choice section. Yo on if you can eliminate s ers to 5 of the questions ee possibilities, so your ion is $\frac{1}{3}$.	there is a our math some answers. s, but you have chance of
6.	Find the probability that you get the given number of the five questions correct.		
	a . none	b. one	c. two
	d. three	e . four	f. five
7.	You gain one point for each question answered correctly, and lose $\frac{1}{4}$ point for each question answered incorrectly. Use your answers to question 6 to find the probability that you gain or lose points overall by guessing from among three possibilities on these five questions.		
	a. lose points	b.	gain points
	c. break even	-	
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