Name_____ Block _____

Unit 6 Quiz

26 children were asked what their favorite activity is.

Gender

		Male	Female	Total
Party Type	Bowling	6	2	8
	Skating	3	11	14
	Dancing	1	3	4
	Total	10	16	26

Find the following probabilities:

_____1. $P(bowling)$

_____2. $P(skating \text{ or } male)$

_____3. $P(skating \text{ and } male)$

_____4. $P(bowling \mid female)$

_____5. $P(male \mid dancing)$

250 seniors and juniors were asked if they were bringing a date to the prom or not. Of the 250 students, 150 were seniors. Of the 200 students bringing a date to the prom, 110 are seniors. Answer the following questions.

_____6. How many juniors are taking a date to the prom?

_____7. How many seniors are not taking a date to the prom?

_____8. What is the probability of randomly selecting a student who is a junior and not taking a date to the prom?

_____9. What is the probability of randomly selecting a student who is a senior or a student taking a date to the prom?

_____10. If a senior is selected at random, what is the probability that he/she is not taking a date to the prom?

Answer Bank:

A. 0.308	E. 0.04	I. 0.1	M. 10	Q. 0.808
B. 0.75	F. 40	J. 0.96	N. 0.923	R. 0.125
C. 0.267	G. 100	K. 0.6	O. 90	S. 0.731
D. 0.8	H. 0.25	L. 50	P. 0.115	