Name: _____ Date: _____

A random survey was taken to gather information about grade level and car ownership status of students at a school. This table shows the results of the survey. Write your answer as a reduced fraction.

Car Ownership by Grade

	Owns a Car	Does Not Own a Car	TOTAL
Junior	6	10	16
Senior	12	8	20
TOTAL	18	18	36

_____ 1. Find the probability that a randomly selected student will be a junior, <u>given</u> that the student owns a car. **P(junior | owns a car)**

_____ 2. Find the probability that a randomly selected student will own a car, <u>given</u> that the student is a senior. **P(owns a car | senior)**

_____ 3. Find the probability that a randomly selected student does not own a car. **P(does not own a car)**

_____ 4. Find the probability that a randomly selected student is a junior. **P(junior)**