

Probability with "And" and "Or"

1. A card is drawn from a standard deck of cards. Find the probability that you will draw a:

- a) A heart or a seven
- b) A heart and a face
- c) A jack or a king
- d) A spade or a nine

2. In a freshman class, students are enrolled in either Algebra 1 or Geometry. Use the table to answer each question.

	Algebra 1	Geometry	Total
Girls	50	33	83
Boys	65	32	97
Total	115	65	180

- a) How many students are freshmen?
- b) How many students are taking Algebra 1?
- c) What is the probability that a student takes Geometry?
- d) What is the probability that a student is a girl and takes geometry?
- e) What is the probability that a student is a boy or takes geometry?