

Quiz 8 - Math 374, Frank Thorne (thorne@math.sc.edu)

Friday, November 3, 2017

- (1) Of a company's personnel, 7 work in design, 4 in testing, and 5 in sales. A committee of three people is to be made.
- (a) In how many ways can the committee be formed?
 - (b) In how many ways can the committee be formed if there is to be exactly one member from each department?
 - (c) In how many ways can the committee be formed if design is to have at least one representative?

For this question, you don't need to simplify your answers.