

ECE 302 Quiz 1
(10 points)

Name: _____ (3 points)

06/17/2016

1. A random experiment has sample space $S = \{a, b, c, d\}$. Suppose that $\Pr(\{c, d\}) = 3/8$, $\Pr(\{b, c\}) = 6/8$, and $\Pr(\{d\}) = 1/8$. Use the axioms of probability to find the specified probabilities. Show all work.

(a) $\Pr(\{a\}) =$ _____ (2 points)

(b) $\Pr(\{c\}) =$ _____ (3 points)

(c) $\Pr(\{b\}) =$ _____ (2 points)