

ECE 302 Quiz 3
(10 points)

Name: _____ (3 points)

07/11/2016

1. Let X be a uniform random variable on $[-2,1]$. Find the following expectations.

Show all work.

(a) (1 point) $\mathbb{E}[X]$

(b) (3 points) $\mathbb{E}[2X^3 + 4X - 1]$

(c) (3 points) $\mathbb{E}[X^3 | |X| > 1]$