MAT 1372-6556 Statistics with Probability Quiz 10 Fall 2012

1. Find *E*[*X*] when
2. *p*(1) = 0.1, *p*(2) = 0.3, *p*(3) = 0.3, *p*(4) = 0.2, *p*(5) = 0.1
3. *p*(3) = 1
4. A distributor makes a (net) profit of $30 on each used carburetor that is good and loses $6 on each one that is bad. If the chance of one being good is 0.4, what is the distributor’s expected profit per unit?