

HOMEWORK 3: MATH 3215-C (PROBABILITY AND STATISTICS)

DUE WEDNESDAY, SEPTEMBER 16TH, 8 P.M. ATL

All problems are worth 2 points (20 total) and you can get a partial point.

Problem 1. *Show that, if $\text{Var}(X) = 0$ then $X = E[X]$ (i.e. it is constant).*

Problem 2. *Do problem 2.3-10.*

Problem 3. *Do problem 2.3-12.*

Problem 4. *Do problem 2.4-6.*

Problem 5. *Do problem 2.4-16.*

Problem 6. *Do problem 2.4-18.*

Problem 7. *Do problem 2.5-4.*

Problem 8. *Do problem 2.5-9.*

Problem 9. *Do problem 2.6-2.*

Problem 10. *Do problem 2.6-8.*