

## Written Homework 02 · MATH331

### Continuous random variables, $E(X)$ , $\text{Var}(X)$ – Chapter 2.2, 5 & 6 of [Grinstead](#)

Due on Thursday February 08 11:30AM

ATTN · No LATE HOMEWORK will be accepted

Please show your work.

Exercises from [Grinstead](#)

1. Section 2.2: page 71: 2 (a) (c)
2. Section 2.2: page 71: 5 (c) (d)
3. Section 5.1: page 199: 13 (page 187 gives detailed explanation of Poisson Distribution)
4. section 5.2: page 219: 22 (a) (c)
5. section 5.2: page 224: 37 (page 212 gives detailed explanation of Normal Density)
6. section 6.1: page 247: 3, 17 (page 96 gives detailed explanation of Bernoulli Trials)