MATU9D2: PRACTICAL STATISTICS WEEKLY ASSIGNMENT 3

This should be submitted via your tutor's box outside **room 4B89**. Ensure that you have the <u>Course Name</u>, your <u>Name and Practical Group clearly marked on your answers</u>. Your answers should be submitted by.

Tuesday Group:12noon on Friday 10th FebruaryThursday Groups:4pm on Tuesday 14th FebruaryFriday Groups:4pm on Wednesday 15th February

All calculations should be performed by hand and calculator (not computer). Include all working.

1. Twelve slimmers on a special diet made the following weight losses (in pounds) in 6 months

Assume that weight losses are Normally distributed.

Does this diet produce greater weight losses than the standard diet known to produce normally distributed weight losses with a mean of 15 pounds? Assume that σ , standard deviation, is known to be 9 pounds.