Feedback from Methods Test 2

1. a) several used instead of

b) most got domain but were confused with range. Plug in a variety of values for to see a trend. Ie . You should see that the fraction will approach zero from the positive side with the positive and negative values of and the maximum it can be is when which is

2. a) many used not when expanding the bracket

b) again using a negative not a positive when expanding bracket

Not multiplying every term by 14, many left the 1 as 1 and only multiplied the fractions.

3. a) (i) many found instead of

(ii) not using a bracket around the when subtracting

b) many solved for not

many solved for not

c) many didn’t recognise that if integers are the domain, there will be a fixed number of values in the range.

Many included -2 and 3 in the domain instead of using only to get the range.

d) several students tried to complete the square to get the TP rather than use to get the LoS and subs this in to get .

Forgetting to state that it was a max

Not showing correct y int

Not extending parabola through the plane

4. a) many forgetting to solver for in

b) many didn’t use the factorised form to write equation

5. mostly well done. Some students confused C as not

6. a) well done

b) well done

c) not rearranging the table so that values increase by 1. This question was straight out of the text book.

7. spent too much time on these questions and used and rather than and

8. spent too long on small questions and didn’t use e-activities or solve on classpad

9. didn’t solve on classpad

10. (minus 1 per error) many not recognising what makes a function

11. didn’t answer the question and didn’t find the gradient. Or many said gradient was or not

12. ran out of time. This question should have been completed first as it is straight off Classpad.