**M2 CAT - You are the Teacher!**



***Name***: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Class***: \_\_\_\_\_\_\_\_\_

**TASK** - Please **explain** any errors that were made by each student, where they went wrong and **justify** what the correct answer is!

**Think about** – You are looking at what your students got wrong but also you are showing me your knowledge of expanding binomial products and factorising.

**Focus on the process rather than just the answer.**

**Problem 1 –** Please write a detailed definition and include an example where possible for the following terms.

**Expanding Factorising Binomial Expression**

Student 1 responses:

**Expanding –** making stuff bigger.

**Factorising** – opposite to expanding.

**Binomial** – something with brackets, maybe 2?

**Expression** – something you see on someone’s face, surprised.

**Problem 2 - Collect ‘like terms’ in the following to simplify:**

**2b + 4f + b + 3 – 2f**

Student 1 : **11 + bb + ff**

Student 2 : **3b + 6f + 3**

Student 3 : **2b2 + 2f + 3**

Student 4 : **3b + 2f + 3**

**Problem 3 - Expand the following : 3(p – 4)**

Student 1 : **3p + 7**

Student 2 : **3p - 7**

Student 3: **3p + 12**