**SPOT THE MISTAKE!**

**QUESTION 1:**

 **Expand and Simplify**

**MISTAKE**

 **(f + 5) (f + 5)**

**WORKINGS & ANSWER:** $f^{2}$ **+ 5f + 5f + 10**

 **=**$f^{2}$ **+ 10f + 10**

**MISTAKE AND SOLUTION: Should be 5 x 5 = 25 so correct answer: =**$f^{2}$ **+ 10f + 25**

**QUESTION 2:**

 **Expand and Simplify**

 **(f + 3) (f - 2)**

**WORKINGS & ANSWER:** $f^{2}$ **+ 3f + 2f - 6**

 **=** $f^{2}$ **+ 5f - 6**

**MISTAKE AND SOLUTION:**

**QUESTION 3:**

 **Expand and Simplify**

 **(2f - 3) (f - 2)**

**WORKINGS & ANSWER:** $2f^{2}$ **– 4f – 3f - 6**

 **=**$2f^{2}$ **– 7f - 6**

**MISTAKE AND SOLUTION:**

**QUESTION 4:**

 **Expand and Simplify**

 **(3f + 5) (2f + 5)**

**WORKINGS & ANSWER: = 5**$f^{2}$ **+ 15f + 10f + 25**

 **=**$5f^{2}$ **+ 25f + 25**

**MISTAKE AND SOLUTION:**

**WORKSHEET – QUESTIONS**

**RED**

1. **(a+3)(a+5)**
2. **(c+4)(c+8)**
3. **(x+5)(x+5)**
4. **(x+2)(x+9)**
5. **(x+1)(x+1)**

**AMBER**

1. **(a+1)(a-6)**
2. **(w-6)(w+7)**
3. **(x+11)(x-7)**
4. **(x-7)(x-3)**
5. **(3+x)(4-x)**

**SUPERSTAR QUESTION**

**Write an expression for the area of this rectangle:**

1. **With brackets:\_\_\_\_\_\_\_\_\_\_\_\_\_**
2. **Without brackets:\_\_\_\_\_\_\_\_\_\_\_**

**GREEN**

1. **(3a+3)(3a+5)**

2f + 2

1. **(c+4)(-c-9)**

f - 3

1. **(3x+4)(-2x+5)**
2. **(-x+6)(x+9)**
3. **(x+2)2**

**Superstar**

1. **(2f + 2) (f – 3)**
2. **2f2 – 4f - 6**