

**Example 1**

**Example 2**

Find

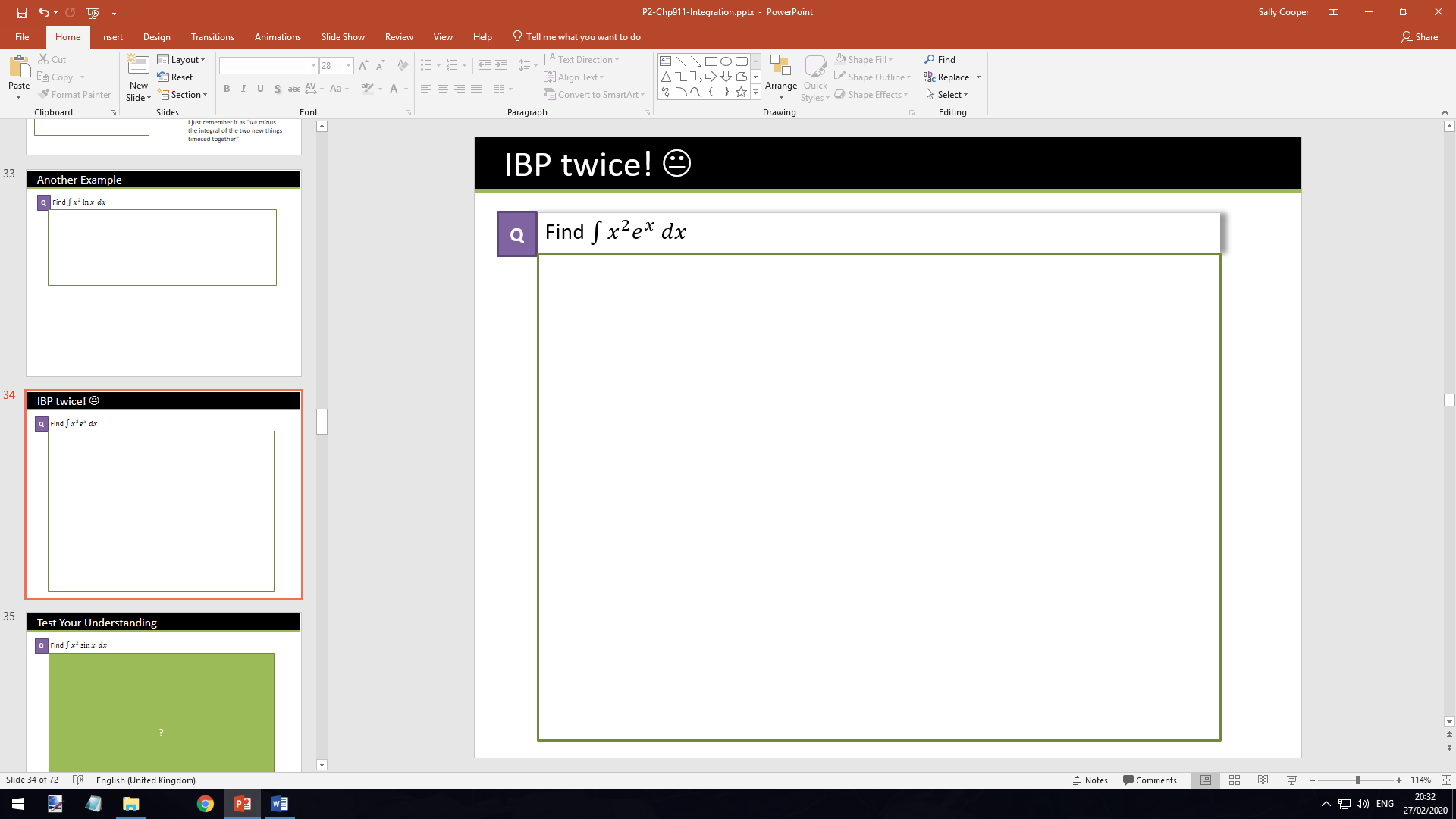
Here, the choice of must be because is difficult to integrate

**Example 3**

Find

Here, the ‘trick’ is to write the integral as

Again, the choice of must be



**Example 5**

Find

