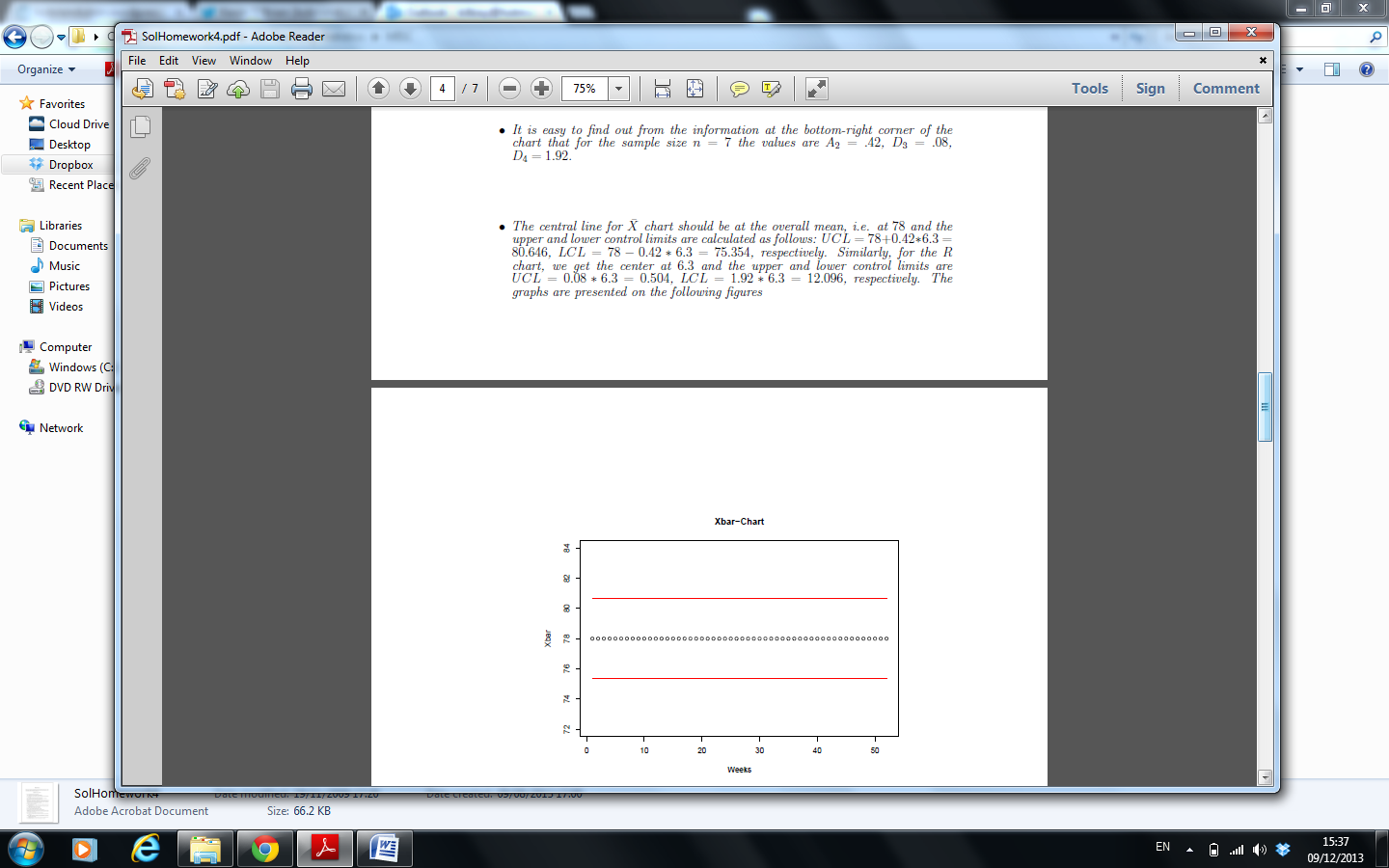
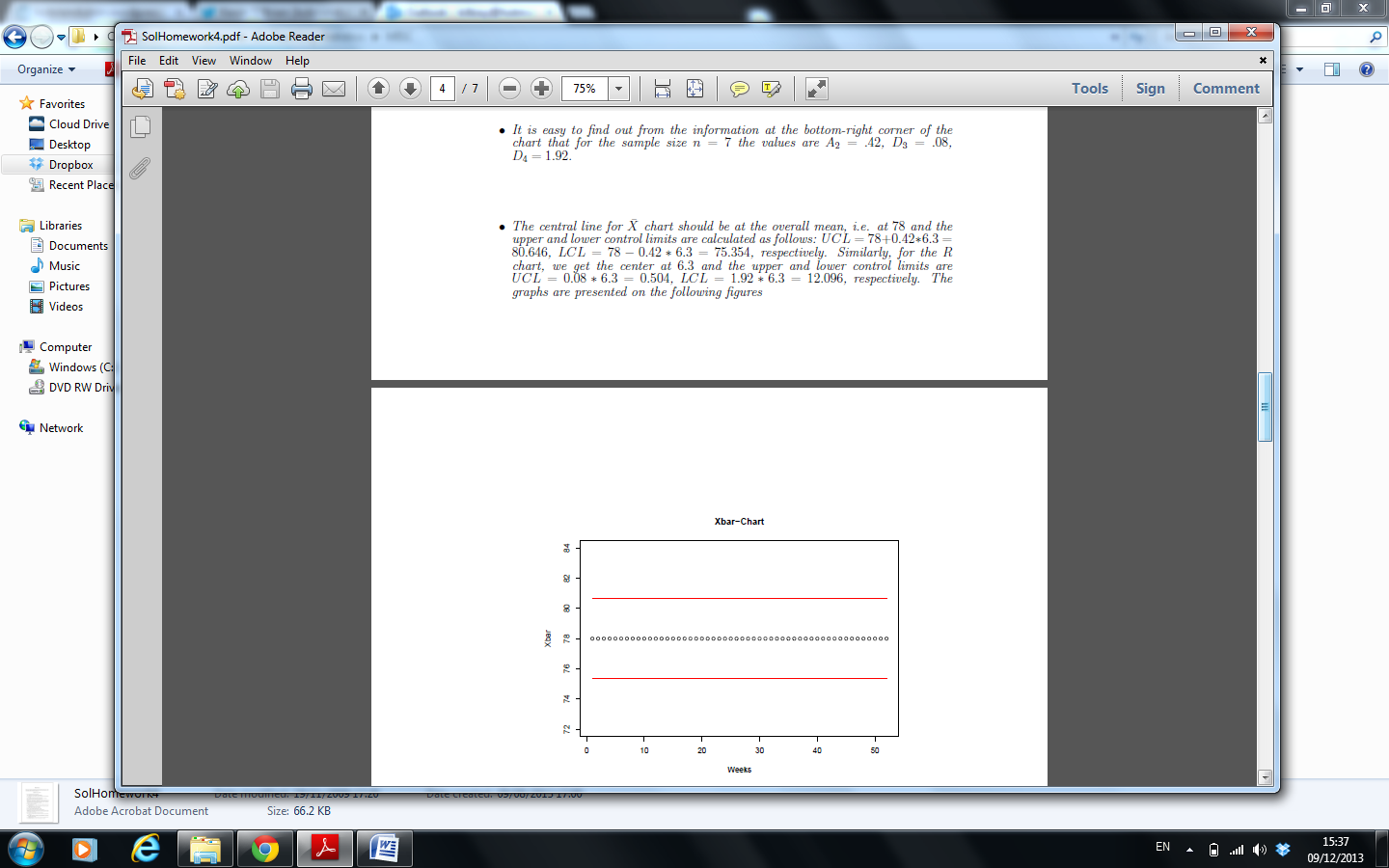


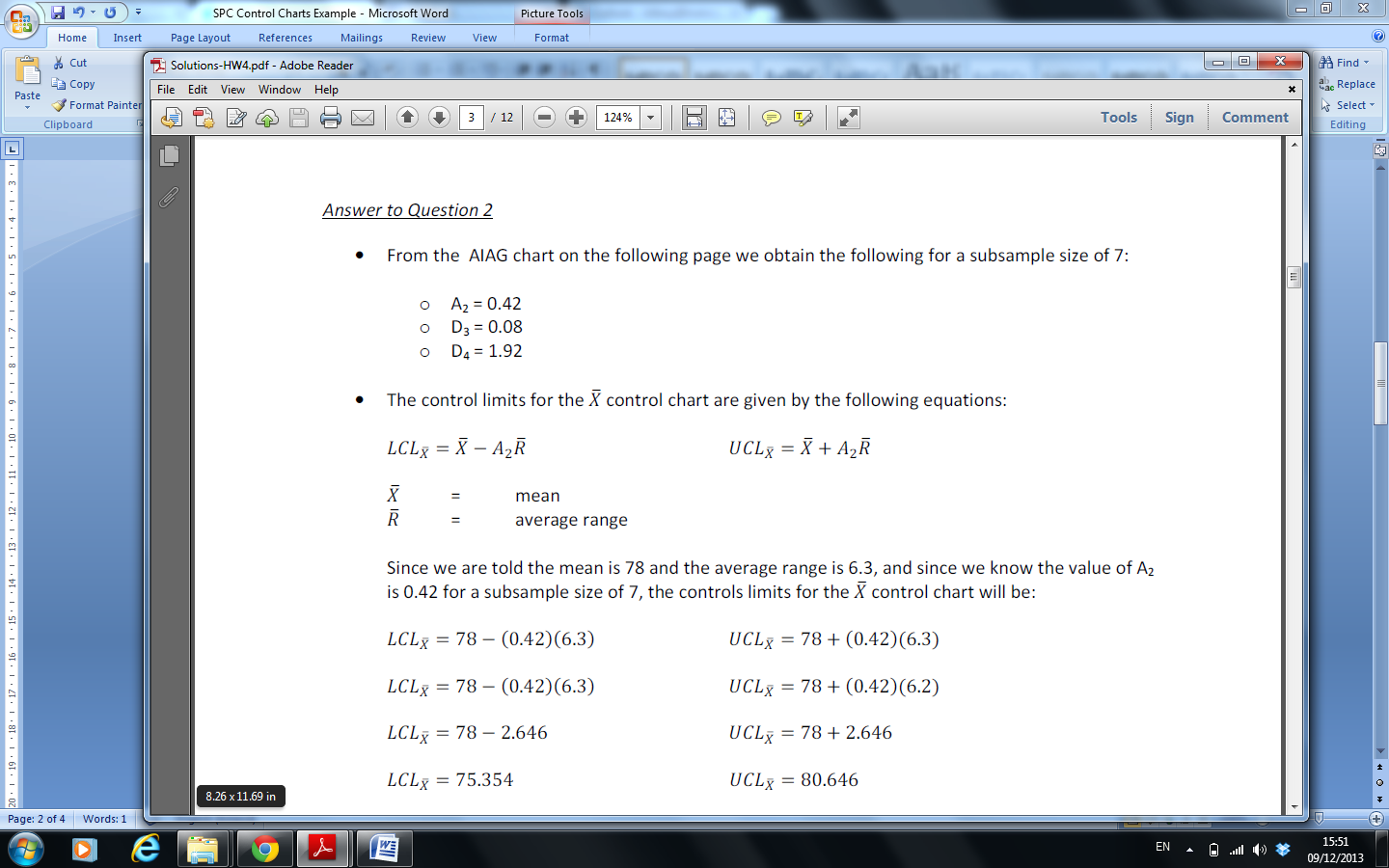
**Solution for Part 1**

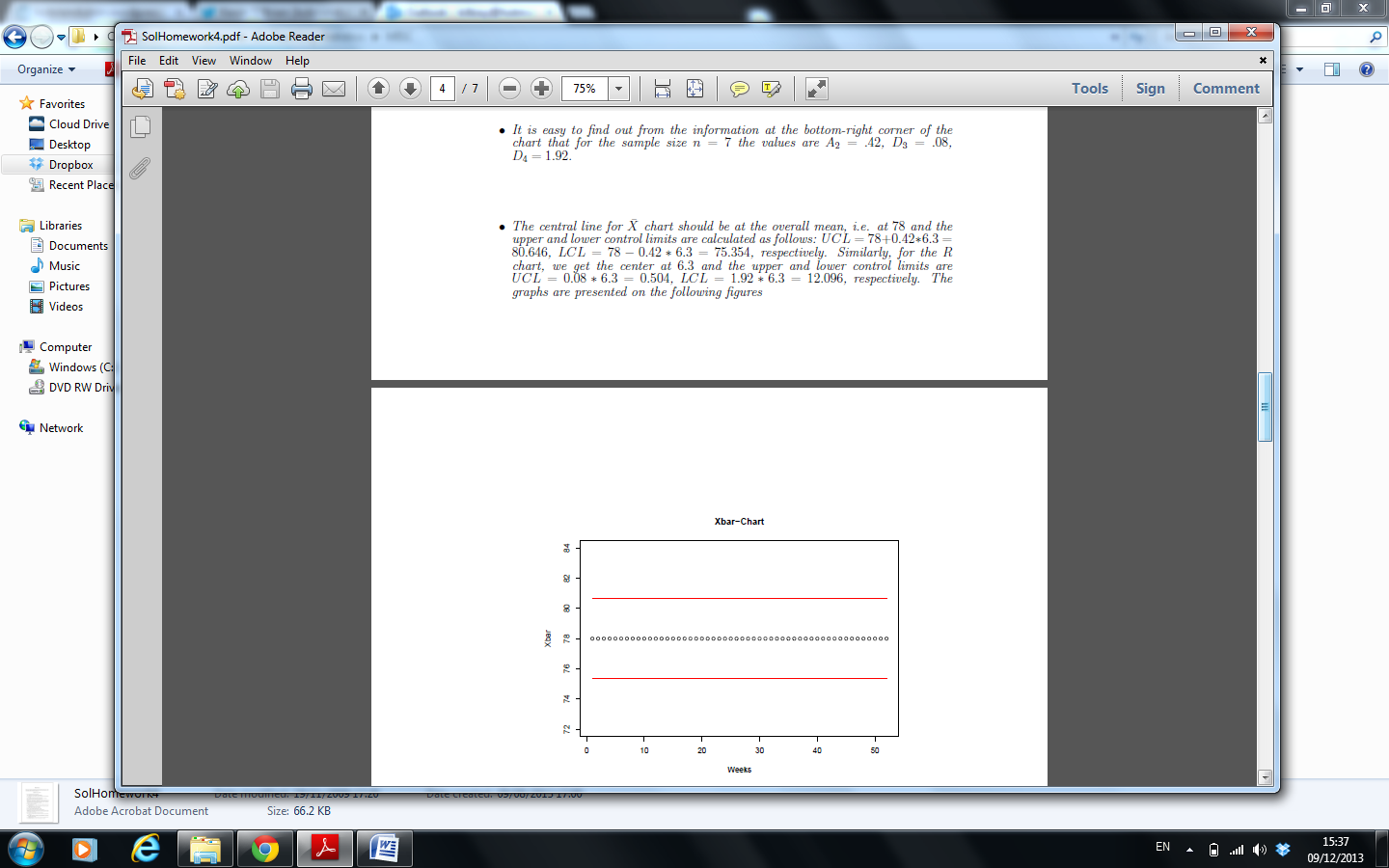


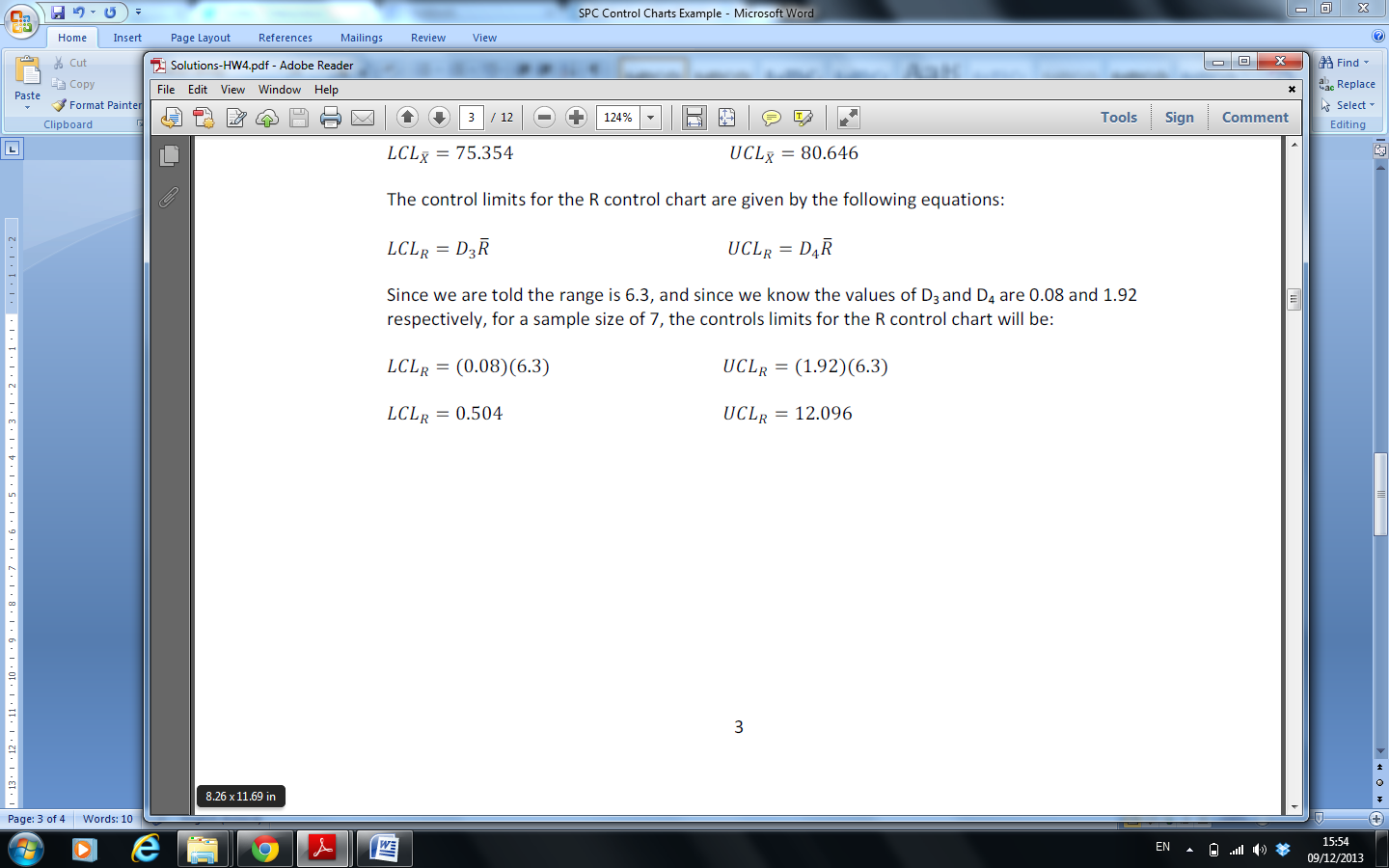
**Solution for Part 2**

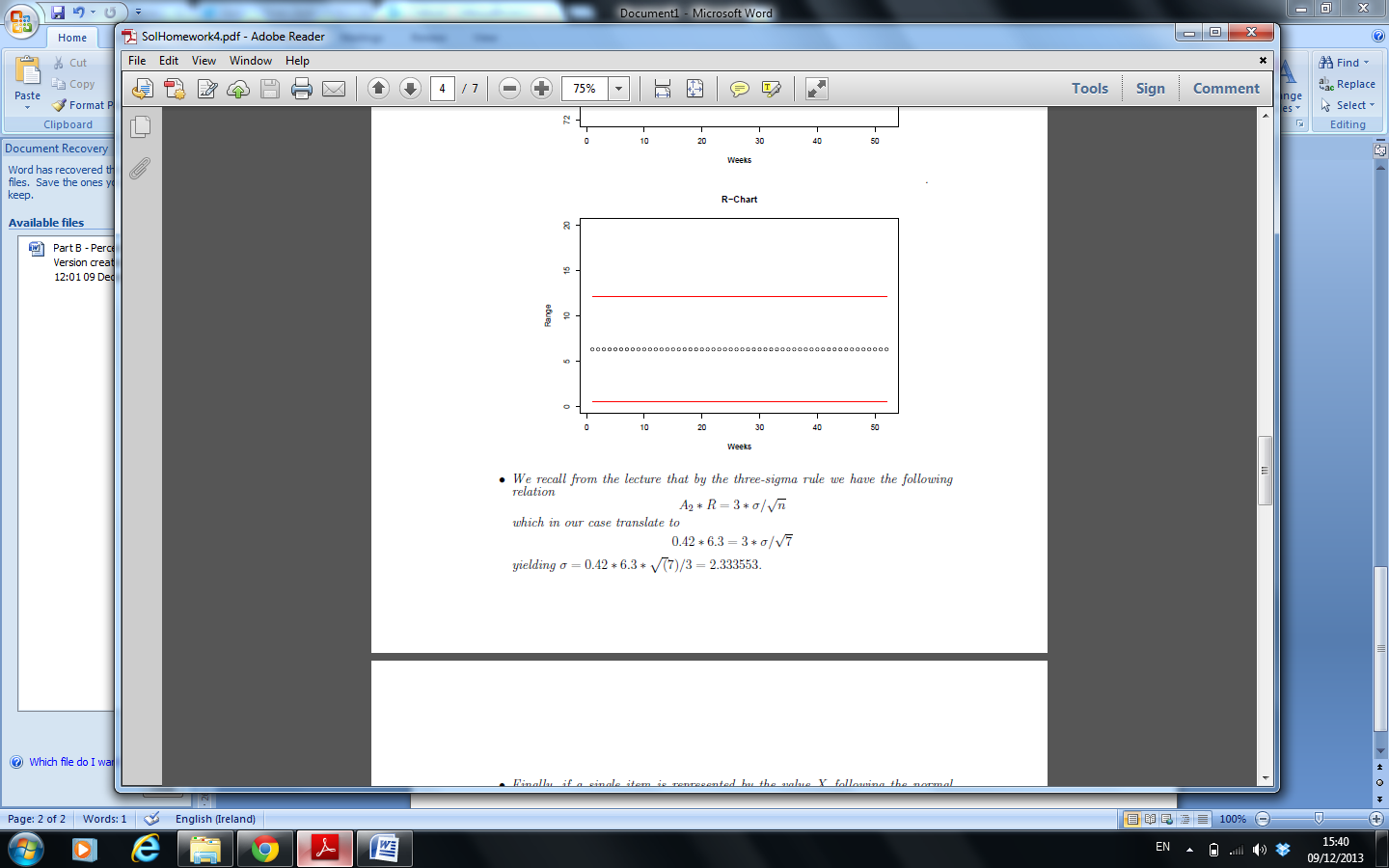


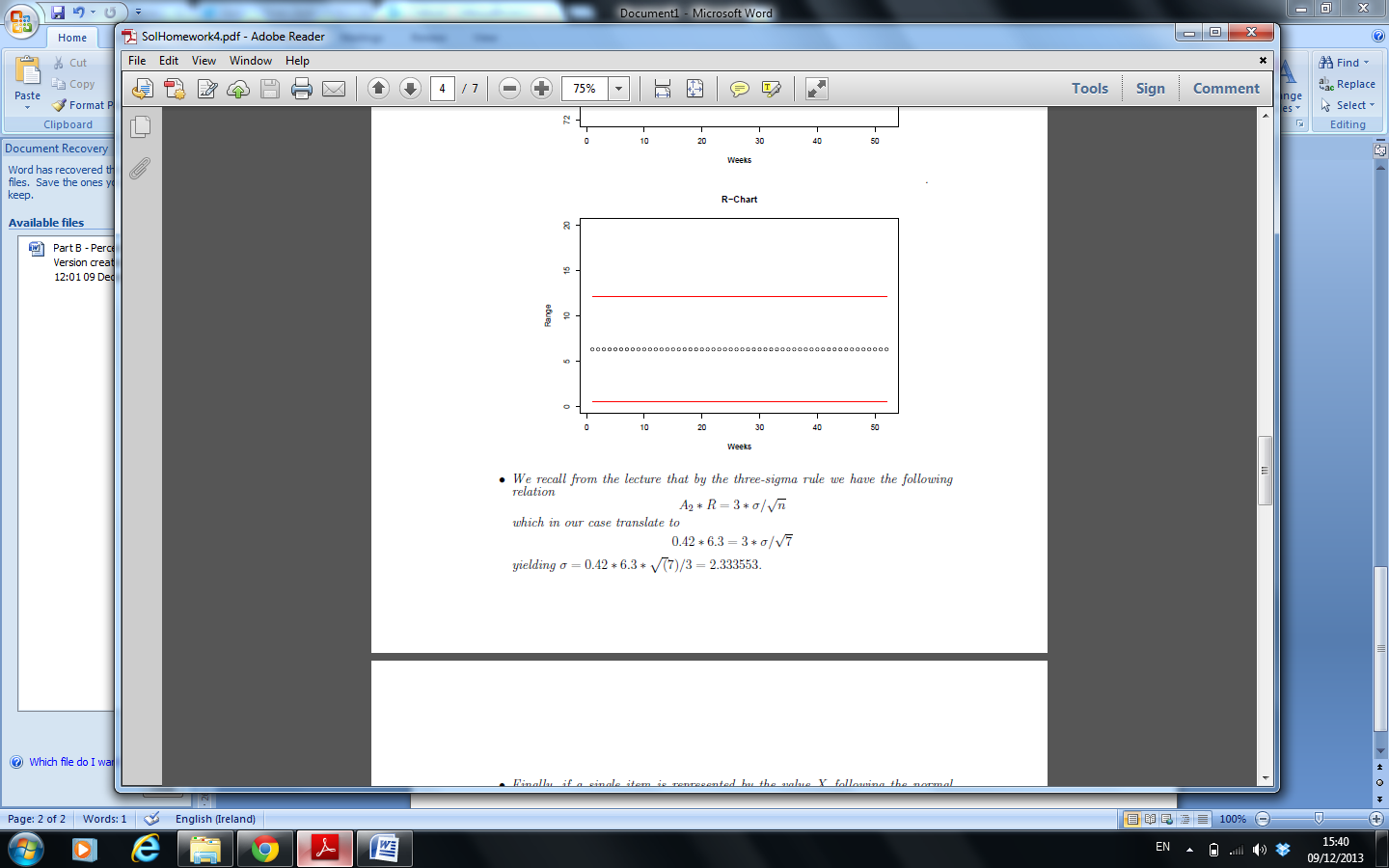
***Full Workings***

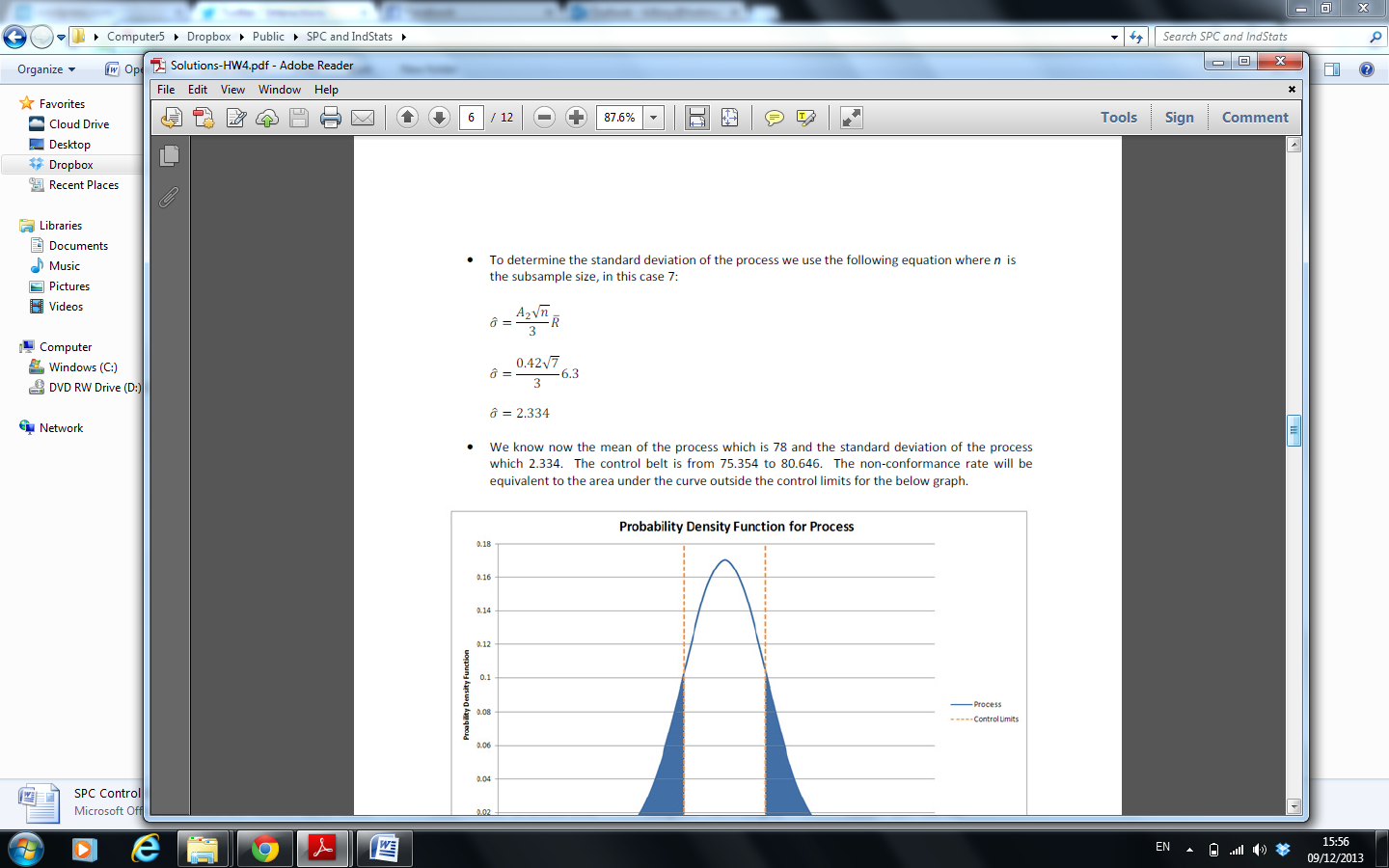












**Solutions to Part 4**

