1. Write about 2 page essay about al-Khwarizmi. Describe his contributions to Algebra, Arithmetics, Astronomy and Trigonometry.

An excellent source is the wikipedia article: https://en.wikipedia.org/wiki/Muhammad_ibn_Musa_al-Khwarizmi

You may also look at the short section on Arabic Mathematics in “Mathematics through the ages”.

You can also look at other sources.

Unfortunately, there is nothing about Arabic Mathematics in Stillwell
2. Find all solutions of the equation $z^8 = 16$. Express them in standard form.
3. Exercise 7.1.1 in Stillwell