## Homework 5

Due to 6pm, March 25, 2019

Problem 1. (30 points) Find the minimal polynomials over $\mathbb{Q}$ of the following numbers:
a) $\sqrt[3]{2}$;
b) $\sqrt{3}+\sqrt{5}$;
c) $\cos \left(\frac{\pi}{9}\right)$.

Justify your answer.

