Medium hint for Problem 1(b):

Since \((2 + i)^3 = 2 + 11i\), one cube root of \(2 + 11i\) is \(2 + i\). To find the other two cube roots of \(2 + 11i\), consider \(2 + i = \sqrt[3]{2 + 11i} = \sqrt[3]{2} (\cos \theta + i \sin \theta)\), where \(0 < \theta < \pi/2\).