Homework 1

1.1

a) $-50\sqrt{2} - 50\sqrt{2}j$

b) $\frac{3(\sqrt{3}+1)\sqrt{2}}{10} + \frac{3(\sqrt{3}-1)\sqrt{2}}{10}j$

c) $-\frac{17\sqrt{2}}{2} - 4 + \left(-8\sqrt{3} - \frac{17\sqrt{2}}{2}\right)j$

d) $-9350 + 7256j$

e) $6\sin(17) + 6\cos(17)j$

1.2

a) $163.48 \angle -156.57°$

b) $9.22 \angle 167.4°$

c) $23.5 \angle 181.94°$

d) $-25.75 \angle 22.65°$

e) $247 \angle -3.5e^{-11}°$

1.3
DNF

1.4
DNF