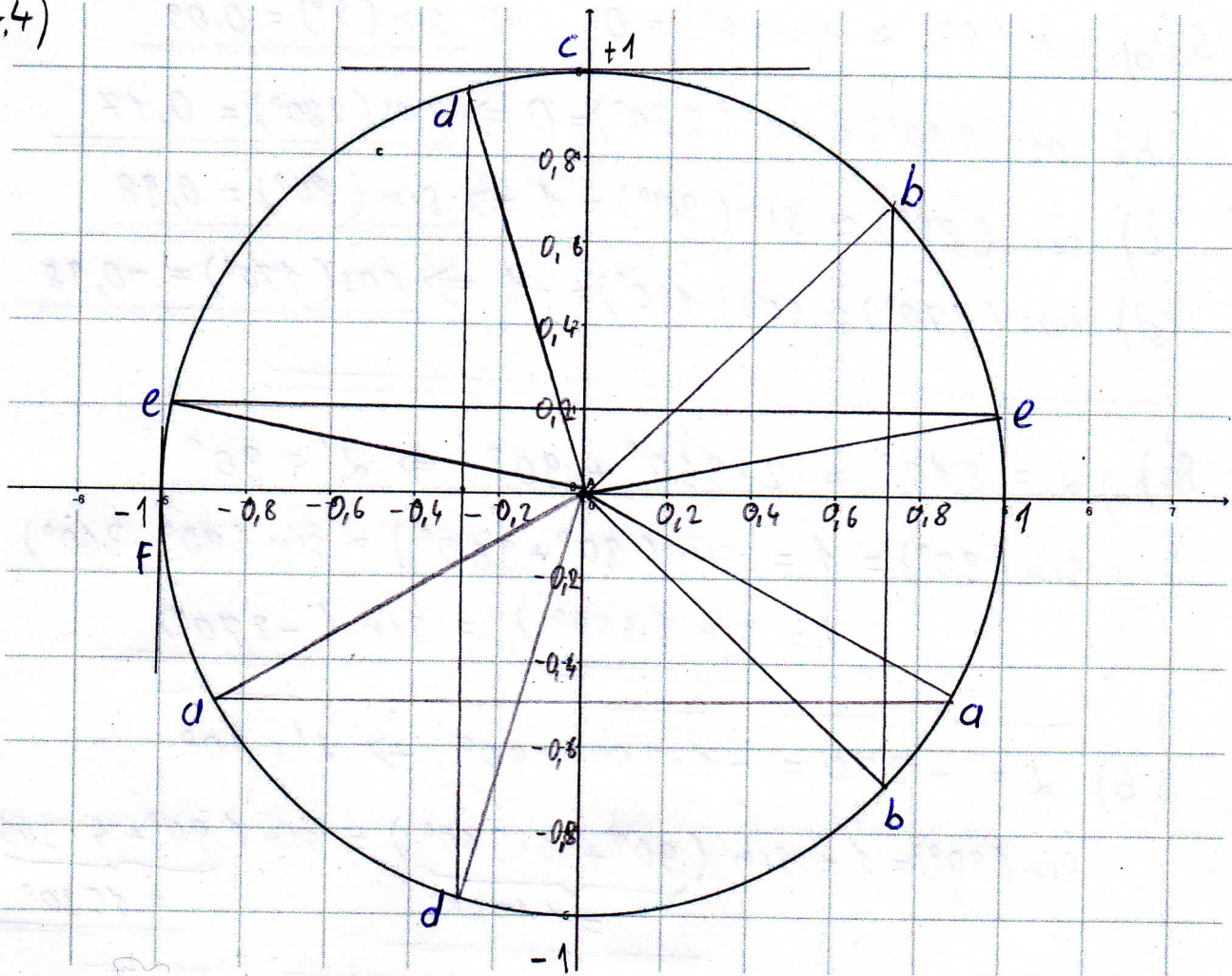


Nr. 4)



a) $\alpha_1 = 180^\circ + 30^\circ = 210^\circ$ oder $\alpha_2 = 360^\circ - 30^\circ = 330^\circ$

b) $\alpha_1 \approx 45,6^\circ$ oder $\alpha_2 \approx 360^\circ - 45,6^\circ \approx 314,4^\circ$

c) $\alpha = 90^\circ$

d) $\alpha_1 \approx 107,5^\circ$ oder $\alpha_2 \approx 360^\circ - 107,5^\circ = 252,5^\circ$

e) $\alpha_1 \approx 11,5^\circ$ oder $\alpha_2 \approx 180^\circ - 11,5^\circ = 168,5^\circ$

f) $\alpha = 180^\circ$