- 1. Let $f(x) = e^x 2x 2$.
 - (a) Show that f(x) = 0 has a root in [-1, 0].
 - (b) Perform 10 iterations using bisection method.

i	а	b	p	f(p)
0	-1.0000	0.0000	None	None

(c) Perform bisection iterations until $|f(p)| < 10^{-4}$.

i	а	b	р	f(p)		
0	-1.0000	0.0000	None	None		
•••						

(d) Perform bisection iterations until $|p - a| < 10^{-4}$.

i	а	Ь	р	f(p)	
0	-1.0000	0.0000	None	None	
•••					