Problem 1

Default data

parameters	true function value	fit function value	statistical error	up systematic error	down systematic
p0 (y-intercept)	66.667	76.5554	5.06563	26.6678	27.602
p1 (slope)	26.667	26.8691	0.457542	0.286946	0.316271

Additional data 1

parameters	true function value	fit function value	statistical error	up systematic error	down systematic
p0 (y-intercept)	100	98.3011	6.07119	31.2449	32.266
p1 (slope)	23.5	23.8022	0.530383	0.715966	0.760088

Problem 2

Default data

parameters	true function value	fit function value	error
p0 (y-intercept)	66.667	53.8168	5.70204
p1 (slope)	26.667	26.2424	0.480442
s1	-	-0.736771	0.243196
s2	-	4.53921E-11	1

Additional data 1

parameters	true function value	fit function value	error
p0 (y-intercept)	100	103.565	8.33431
p1 (slope)	23.5	22.8415	0.560309
s1	-	-1.15115	0.297554
s2	-	-1.59701E-12	1