

Assignment-3

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**Q1.a**

Sig_Digits	Errors_2	Errors_inf	Func_Evals
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3	0	0	74
5	1.4142e-05	1e-05	74
7	0	0	74
10	0	0	74

**Q1.b**

Sig_Digits	Errors_2	Errors_inf	Func_Evals
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3	1e-10	1e-10	34
5	1e-10	1e-10	34
7	1e-10	1e-10	34
10	0	0	34

**Q1.c**

Sig_Digits	Errors_2	Errors_inf	Func_Evals
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3	0.0073905	0.0068753	34
5	7.6137e-05	7.5289e-05	34
7	5.409e-07	4.55e-07	34
10	0	0	34

### Q1.d

Sig_Digits	Errors_2	Errors_inf	Func_Evals
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3	110.74	84.5	135
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5	0.50733	0.38757	135
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7	0.005106	0.0039012	135
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10	0	0	135
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