

Suggested Examples and Problems

These are suggested examples (worked examples showing solutions) and problems (without solutions) from Griffiths, 3rd edition. These are optional questions to assist you in learning the course material, and there is no assigned credit for doing the questions.

Section 1

Examples 1.4, 1.6, 1.7, 1.8, 1.9, 1.11, 1.14

Problems 1.4, 1.11, 1.19, 1.25, 1.32, 1.44

Section 2

Examples 2.1, 2.2, 2.3, 2.6, 2.8, 2.10

Problems 2.4, 2.6, 2.10, 2.15, 2.22, 2.31, 2.39

Section 3

Examples 3.1, 3.3 [but only to the bottom of p.129] , 3.7

Problems 3.2, 3.18, 3.25

Section 4

Examples 4.2, 4.3, 4.4, 4.5

Problems 4.1, 4.9, 4.15, 4.19

Section 5

Examples 5.2, 5.3, 5.4, 5.6, 5.9

Problems 5.1, 5.2, 5.5, 5.13, 5.24

Section 6

Examples 6.1, 6.2, 6.3

Problems 6.1, 6.3, 6.9, 6.12, 6.17

Section 7

Examples 7.1, 7.2, 7.4, 7.7, 7.10, 7.11

Problems 7.1, 7.7, 7.8