**Calculus – 3**

**Review for test -1**

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| Sec | Topics | Suggested Problems (From the text book) |
| 12.1  | Functions of Two Variables  | 3, 11, 27, 37, 38 |
| 12.2  | Graphs and Surfaces | 4- 11, 19 |
| 12.3  | Contour Diagrams | 5- 13, 16 |
| 12.4  | Linear Function | 1- 13 |
| 12.5  | Functions of Three Variables | 1- 11 |
| 13.1 | Displacement Vectors | 15- 25, 28, 38, 39 |
| 13.2  | Vectors in General |  11-20 |
| 13.3  | The Dot Product | 15- 26, 34, 42- 47  |
| 13.4  | The Cross product  | 1- 7, 12 – 15, 30 -34 |