Selected Exercises from Chapter 13

Section Number	Section Name	Pages in the Book	Exercises
13.6	DIRECTIONAL DERIVATIVES AND GRADIENTS	863-865	1, 5, 9, 11, 15, 19, 25, 29, 30, 33, 41, 43, 45, 53, 54, 57, 72, 75

Selected Exercises from Chapter 14

Section Number	Section Name	Pages in the Book	Exercises
14.1	DOUBLE INTEGRALS	900-902	4, 5, 11, 15, 24, 25, 26, 29
14.2	DOUBLE INTEGRALS OVER NONRECTANGULAR REGIONS	908-910	3, 5, 8, 9, 10, 11, 12, 13, 15, 16, 21, 23, 25, 29, 30, 33, 34, 35, 36, 37, 42, 47, 53, 54, 55, 56, 59
14.3	DOUBLE INTEGRALS IN POLAR COORDINATES	916-917	1, 10, 23, 26, 28, 29, 30, 39
14.4	SURFACE AREA; PARAMETRIC SURFACES	927-930	1, 2, 3, 4, 5, 6 **GeoGebra:** 11, 12, 33, 34, 35, 36, 37, 38
14.5	TRIPLE INTEGRALS	936-938	1, 3, 5, 7, 15
14.7	CHANGE OF VARIABLES IN MULTIPLE INTEGRALS; JACOBIANS	957-959	1, 3, 5, 6, 7, 8, 17, 18, 19, 20, 21, 22, 23, 24, 31, 33

Selected Exercises from Chapter 15

Section Number	Section Name	Pages in the Book	Exercises
15.1	VECTOR FIELDS	978-979	1, 2, 5, 6, 17, 19,
15.2	LINE INTEGRALS	993-995	7, 9, 13, 19, 20, 23, 25, 33, 34, 37
15.3	INDEPENDENCE OF PATH; CONSERVATIVE VECTOR FIELDS	1004-1005	1, 2, 3, 6, 7, 9, 11, 15, 23, 33
15.4	GREEN'S THEOREM	1011-1013	1, 3, 4, 7, 8, 9, 21, 22, 29