MATH-2010: Multivariable Calculus and Matrix Algebra

Suggested Problems

Exercises From the Calculus Text (Rogawski, et al, 4th Edition):

Section 14.3: 17, 25, 35, 45, 55, 65, 69

Section 14.4: 3, 7, 11, 13, 19, 21, 33

Section 14.5: 7, 17, 29, 33, 35, 41, 47, 55

Section 14.6: 5, 7, 13, 19, 29, 41

Section 14.7: 3, 11, 17, 51, 57, 59

Section 14.8: 5, 13, 18, 22, 35

Section 15.1: 19, 30, 33, 39, 47

Section 15.2: 5, 7, 23, 29, 44, 45

Section 15.3: 3, 11, 15, 21, 23

Section 15.4: PQ2, PQ3, 9, 19, 21, 31, 45

Section 16.1: 27, 45, 51

Section 16.2: 13, 15, 21, 27, 31, 39, 55

Section 16.3: 5, 11, 19, 25, 29

Section 17.1: 3, 9, 11, 15, 28, 29

Problems From the Linear Algebra Text (Johnson, et al, 5th ed):

Section 1.1: 11, 13, 14, 29

Section 1.2: 23, 29, 37, 49, 50

Section 1.3: 1, 23, 33

Section 1.5: 1, 5, 13, 25, 33, 47, 53a,c

Section 1.6: 7, 9, 15, 25, 29, 35, 39

Section 1.7: 3, 11, 31, 39, 41

Section 1.9: 13, 17, 33, 49, 51

Section 3.2: 5, 7, 9, 13, 19, 23

Section 3.3: 1, 7, 11, 15, 21a,e, 25

Section 3.4: 3, 7, 11b,c*, 22a, 33, 35, 36

       11c*) Find a basis for the range of **A**

Section 3.5: 3, 13, 15, 17, 23, 25, 33

Section 3.6: 7, 11, 17, 19

Section 4.1: 3, 9, 11

Section 4.2: 9, 13, 21

Section 4.4: 3, 5, 7

Section 4.5: 1, 3, 4, 5, 13

Section 4.6: 3, 7, 13, 19, 23, 29

Section 4.7: 1, 3, 7, 9, 15, 19