Home work List..........10th ed Anton

Ch2

2.1   1 , 3 , 5 , 25

2.2   5 , 7 , 11 , 13 , 15

2.3   7 , 9 , 25 , 29

Ch 3

3.1   3 , 7 , 11

3.2   1 , 3 , 7 , 11 , 17

3.3   1 , 3 , 5 , 13 , 17

3.4   1 , 9

3.5   3 , 5 , 7 , 17

Ch 4

4.1   1 , 5 , 7 , 9 , 11

4.2   1

4.3   1 , 3 , 7

4.4   3

4.5   1 , 3 , 5

4.6 to 4.8   none

4.9   11 , 15 , 17 , 19

Ch 5

5.1   1 , 3 , 7a , 7c , 13

Ch 6

Use the Gram-Schmidt Process to find the Orthogonal and Orthonormal Basis for the following:

1. $U_1 = 1 , 0 , 0$ $U_2 = 4, 2, 0$ $U_3 = 8 , 4 , 3$
2. $U_1 = 1 , 6 , 3$ $U_2 = 0 , 2 , 8$ $U_3 = 5 , 2 , 7$
3. $U_1 = 2 , 1 , 3 , 5$ $U_2 = 2 , 3 , 7 , 4$ $U_3 = 10 , 2 , 5 , 2$ $U_4 = 5 , 9 , 3 , 0$