

TOPICS FOR TEST-2 MAC 1140

1) Linear system of equations in two variables (Application).

Page 729 (# 63 – 70)

2) Linear system of inequalities in two variables.

Page 765 (# 17 – 38)

3) Solving linear system of equations in three variables:

a) Using linear row operations (Gauss-Jordan Elimination)

Page 740 (# 13 – 24, 37 – 51)

b) Using Cramer's rule.

Page 811 (# 17 – 22)

c) Using matrix equation (only using calculator).

Page 802 (# 27 – 44)

4) Finding determinant of a 3x3 matrix by hand.

Page 802 (# 49 – 52)

5) Partial fraction decomposition.

Page 753 (# 25 – 34)

6) Exponential functions and equations.

Page 363 (# 53 – 68), Page 393 (# 15 – 20)

7) Logarithmic functions and equations.

Page 363 (# 17 – 32, 53 - 68) , Page 407 (# 31 – 35)

8) Properties of logarithms.

Page 393 (# 51 – 60, 73 - 111)