

Brown Belt
Home Exercises
Wednesday December 6, 2006

Reading Assignment and Problems Over Winter Break:

We are now working in Book 3A. We completed the first chapter on quadratic equations and began Ch. 4 on linear inequalities. We wish to continue to work with inequalities, go on and cover manipulating numerical and algebraic equations with exponents (or indices as the British call them), continue working on the manipulation of algebraic fractions, and move back into graphing old friends like straight lines and also new functions such as quadratics, cubics, reciprocals, and exponentials. To do this the following should be read carefully over break including working through all worked problems:

Ch. 2, *Indices*, Introduction.

Ch. 3, *Algebraic Manipulation*, Introduction.

Ch. 4, *Linear Inequalities*, Introduction.

Ch. 9, *Graphical Solution to Problems*, Introduction, sections

9a. Linear Graphs,

9b. Quadratic Graphs,

9c. Cubic Graphs.

Homework Assignment

1. Book 3A, Chapter 2: 1ace. 2acehj, 4acegk, 5ace, 6ace, 7aej, 9abceh, 10a, 11abc.
Thinking Skills: 1.
2. Book 3A, Chapter 3: 1abchj, 5abc, 6ab, 11bdf, 13afh.
3. Book 3A, Chapter 4: 2jk, 7ab, 8ace, 9ace, 10ace.