Red Belt
Home Exercises
Wednesday March 8, 2006

Reading Assignment:

Homework this week will cover material from book 2B, applying what you have learned about the Pythagorean Theorem (2B, CH. 14) and trigonometry (2B, CH. 17). Go over the use of square, square root, sin, cos, and tan on your calculator with a parent. Make sure your calculator is in degree mode rather than radian mode. To ensure this cos (45) 0.707106781 and sin (90) = 1.

Homework Assignment

NOTE: Because the next meeting is Wednesday March 15, you will only have one week for this homework – so it would be good to get started on it soon. You will need to use a calculator for many of these problems.

1. **Pythagorean Theorem.** Book 2B, pages 155-166, 1cdh, 2abc, 20.

2. **Trigonometry.** Make sure you have read CH. 17 pages 240-246 of book 2B, and have done the worked examples. This was last week's homework. We will not be covering inverse trig functions like $\tan^{-1}$, etc. These are used in problems that ask you to find an angle if you know two of the sides.

3. **Trigonometry.** Book 2B, pages 247-257, 1abcdef, 9, 13a-d, 14, 15a.