**Math Review**

Practice (Algebra in Physics):

1. Solve each quadratic equation:

a. x2-16=0 b. x2-7x-18=0

c. 8x2-2x-3=0 d. 7x2=3x

e. 3(x-1)2-2=(x-4)(x+1)+7

2. Solve each system of equations:

a. y = 0.22x + 80 y = 0.12x + 100 b. y = 5x-2 6x + 3y = 36

c.   d. 2(x+3) + y = 2 2(x+5)+6(y-1)=-9

e. 2x – y – 2 = 0 y=x2-x-6 f. y = x2+4x+3 y = 2x+6

3. Solve the equations below for the specified variable:

a. , for T b. , for Δt c. , for Δd d. , for R e. , for f f. , for t