Chapter 8 Quadratic Equations

1. I know that equations include an **'='** sign
2. I know that solving a quadratic equation involves the following steps:
   Finding the factors of the quadratic expression using the Guide Number Technique
   Letting each factor = 0 to find the values for x (i.e. x will have 2 values)
   Q2 Q4 Q24 Q38 Q40 Page 140

3. I know that a plot of a quadratic expression gives a parabola shape and that the values for x found when the expression is = 0 are the point on the x –axis where a plot of the quad expression cuts the x-axis!
4. I know how to set up my calculator to use the **Quadratic Formula** to solve Quadratic equations.
5. I know that I can solve any quadratic equation using the quad formula.
   Q1 Q3 Q6 Q9 Q 12 Q15 Page 142

6. I can generate quadratic expressions to solve various problems.
   Q1 Q10 Page 144

7. I know how to form an equation given its roots by letting 'x = to each root' and rewriting to get (X +/- the root) = 0 for both roots. Multiplying these to get the equation.
   Q2 Q10 Q14 Page 147