Ch 9.7 Factoring Special Polynomials

Steps to Factor:

1. Look for a ***GCF***
2. If it is a ***binomial***: $\sqrt{F} - \sqrt{L}$
   $(\sqrt{F} + \sqrt{L})(\sqrt{F} - \sqrt{L})$ or $M = O$

   If it is a ***trinomial***: Guess and check by listing the factors of the F and L terms and check that the O and the I = M.

Apr 23-8:39 AM

Ex1) Perfect Square Trinomials

Ex1a) $k^2 + 10 + 25$

Ex1b) $16h^2 + 40h + 25$

Ex1c) $2m^2 - 16m + 32$

Mar 24-2:13 PM

Try#1. $9g^2 - 12g + 4$

Try #2. $4t^2 + 36t + 81$

Mar 24-2:19 PM

Ex2) Factoring Difference of 2 Squares or Binomials

Ex2a) $x^2 - 36$

Ex2b) $25x^2 - 64$

Ex2c) $8y^2 - 50$

Ex2d) $10f^2 - 40$

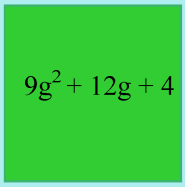
Mar 24-2:21 PM

Try #3. $4w^2 - 49$

Try #4. $3c^2 - 75$

Mar 24-2:31 PM

Ex 3) Given the area find the side length.



What is the perimeter?

Mar 24-2:34 PM