**M8E: Unit 5.6: Factoring Polynomials: ax2+bx+c; when a = 1, with the 'criss-cross' method**

Before, we expanded polynomial questions via distributive method, FOIL, and the rectangle/box/generic rectangle method.

Now: we are going backwards…given the equation, we will find the factors that multiply to give us the equation using the 'criss-cross method'

Ex: factor: x2+5x+6

 -step 1) coefficient 'a' in front x2 is \_\_\_\_. Factors of \_\_\_\_ are:

 -step 2) factors of 6 are:

Ex: factor x2+x-6

Ex: factor x2-x-6

Factor: x2+7x -18

Factor x2+9x+18

Try and factor:

 i) x2+6x-16 ii) x2-4x+6 iii) y2+4y-12

 iv) x2+4x+3 v) x2+4xy+3y2