\*You may choose your own seats - if you leave open tables in the middle of the classroom, you may be asked to move\*

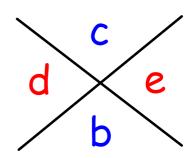
Write down everything you remember about factoring (reverse FOIL-ing) quadratic functions?

When we factor, we take the quadratic from Standard Form

$$ax^2 + bx + c = 0$$

to Factored Form

$$(x-d)(x-e)=0$$



when a = 1, d & e are the two numbers that multiply to c and add to b.

## From your worksheet.

Solve each equation by factoring.

When a \$\neq\$ 1, we have to guess and check or factor by grouping. We still make the X, and now look for the factors of a.c that add to b.

we rewrite bas dx + ex,

e

Q.C

group together our first two and last two terms to factor by grouping. Let's look at the following two examples using this method.

Solve each equation by factoring.

## Homework Solving Quadratics by Factoring WKS