CLASS AGENDA

- Factoring – With a Coefficient
- Practice
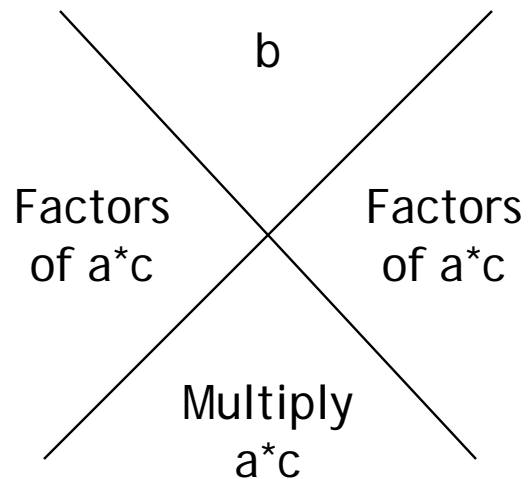- Solving
- Closure

FACTORING

- $ax^2 + bx + c$
  - a: leading coefficient
  - b: sum of the factors
  - c: product of the factors

FACTORING

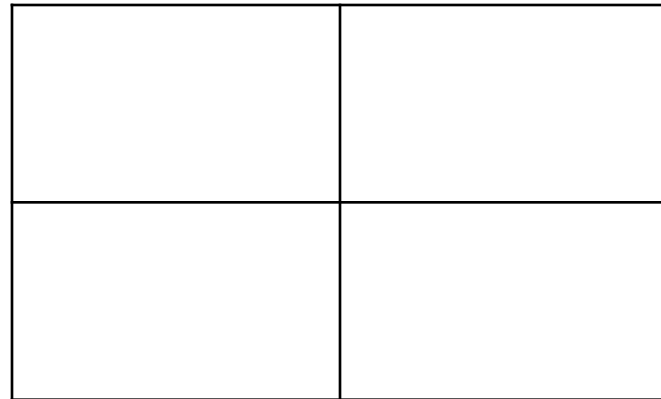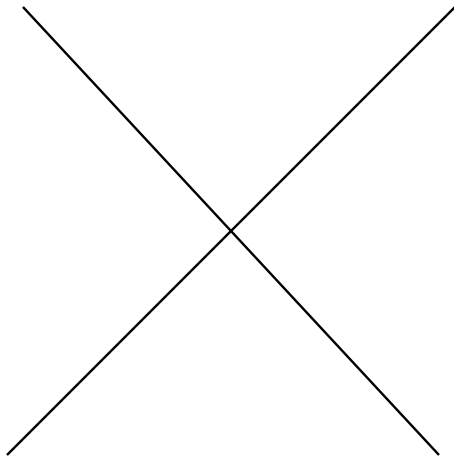- Example: $-12x^2 - 19x - 5$

- X and Box Method:

A	Factors of a*c
Factors of a*c	C

FACTORING
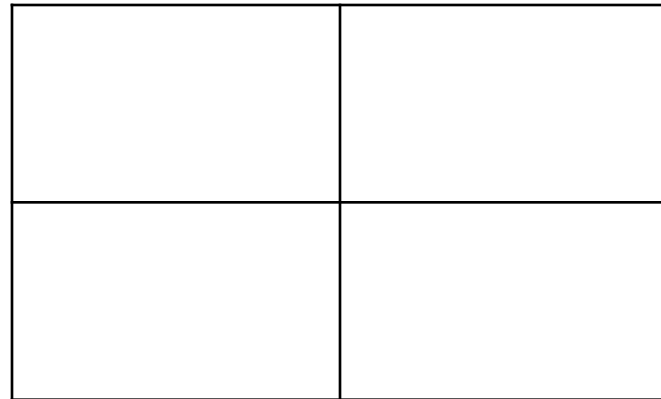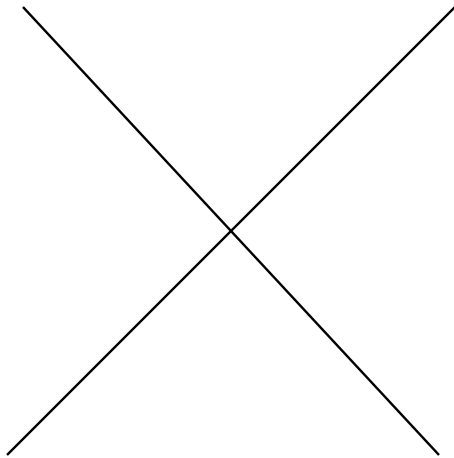
- Example: $-12x^2 - 28x - 1$

- X and Box Method:

FACTORING

- Example: $8x^2 + 10x + 3$

- X and Box Method:

SOLVING

- To solve a quadratic equation means to find the zeroes.

- Steps to solving:
  1. Set the equation equal to zero
  2. Factor completely
  3. Set each factor equal to zero
  4. Solve for each factor algebraically

PRACTICE

- Solve each of the equations on the worksheet

CLOSURE