

# Solving Quadratics

- standard form
  - zero on one side → go to factored form solving
  - QF (END)
  - No zero → add/subtract to get a "zero" → start standard form solving again
- factored form
  - zero on one side → solve ie  $(x+1)(x-3)=0$  (END)
    - $\downarrow$   $x+1=0$   $\downarrow$
    - $x=-1$   $x=3$
  - No zero → multiply out, collect like terms, go to standard form solving
- vertex form
  - algebra solution (END)
  - multiply out → go to standard form solving