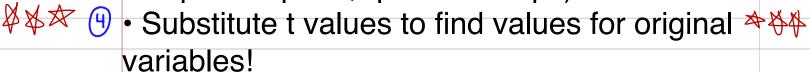
Steps for Equ. In Quadratic form:

- Let "t" equal the middle term
- 2) Square both sides to get
- Substitute and solve by any method (factor, complete square, quadratic Equ.)





for extraneous

solutions!

Solve

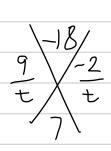
$$(3x-2)^2-5(3x-2)-6=0$$

 $t=3x-2$, $t^2=(3x-2)^2$

2
$$3x + 5\sqrt{x} - 2 = 0$$

 $t = \sqrt{x}$, $t^2 = x$
 $3t^2 + 5t - 2 = 0$
 $-6/(t+3)(3t-1) = 0$
 $-3/(t+3)(3t-1) = 0$

Check
$$3(9) + 5(\sqrt{9}) - 2 = 0$$
 $3(9) + 5\sqrt{9} - 2 = 0$
 $3(9) + 5\sqrt{9}$



$$x^{4}+7x^{2}-18=0$$
 $t=x^{2}$, $t^{2}=x^{4}$
 $t^{2}+7t-18=0$
 $(t+9)(t-2)=0$
 $t=-9$, 2
 $-9=x^{2}$ $2=x^{2}$
 $x=+3i$, $\pm \sqrt{2}$