

Algebra 1 CLASS NOTES

Monday 5-20-13

(178)  $-46 = -p^2 - 9p$  SF ✓

$p^2 + 9p - 46 = 0$  GCF, NO ✓

$a = 1$   $b^2 - 4ac$

$b = 9$   $(9)^2 - 4(1)(-46)$

$c = -46$   $81 + 184 = 265 = d$



$p = \frac{-b \pm \sqrt{d}}{2a} = \frac{-9 \pm \sqrt{265}}{2}$

$p = \left\{ \frac{-9 + \sqrt{265}}{2}, \frac{-9 - \sqrt{265}}{2} \right\}$

\*  $x = \frac{-b \pm \sqrt{d}}{2a}$   $d = b^2 - 4ac$   
QF