Unit 2B Day 6 Notes - Solving Quadratics by Completing the Square Date:


Unit $2 B$ Day 6 Notes Cont.

8). $x^{2}+2 x=-20$
$\left(\frac{2}{2}\right)^{2} x^{2}+2 x+1=-20+1$
(1) ${ }^{2} \quad \sqrt{(x+1)^{2}}=\sqrt{-19}=i \sqrt{19}$
$\begin{array}{ll}\downarrow & \begin{array}{l}x+/ \\ 1\end{array} \\ \quad \begin{array}{ll}1 \\ -1\end{array} \\ & x=-1 \pm i \sqrt{19}\end{array}$

## Unit 2B Day 6 HW

Solve each equation by completing the square. Simplify all irrational and complex solutions.


Uait 28 Day 6 HW Cont.
9). $x^{2}-8 x=-55$
10). $3 x^{2}+9=6 x$

