## Tuesday, February 10, 2015

Solve the following equations using any method.

1. $y=x^{2}+4 x-21$
2. $y=6 x^{2}+x-2$

Simplify the following expressions.
3. $(4+3 i)(1+2 i)$
$4.6 \sqrt{-3}+\sqrt{-75}$

Objectives Create quadratic equations from given roots.

Homework Packet Page 11-14 all

We've been finding solutions to quadratic equations
using factoring, graphing and the quadratic formula.

Now we'll work backwards from the solutions and create the original quadratic solution.



Complete Practice Problem 1 and 2.

Write as one expression equal to $x$.

Isolate the radical term.

Square both sides and simplify.
Subtract the constant from both sides to make the equation equal to zero.
Our solution.

Complete Practice Problem 3.


Complete Practice Problem 4.

# Solving Radical Equations 

Work on your homework.


