## Solving Radical Equations

## In This Unit:

Solving Radical Equations

Bellwork 04/26/2012

Graph the quadratic. 1. $y=3 x^{2}-12 x+4$
$\qquad$ $x=2$
$(2,-8)$

$$
\begin{gathered}
y=3-12+4 \\
y=-5
\end{gathered}
$$

$$
12-24+4
$$

$$
\begin{gathered}
y=-5 \\
y=3(0)^{2}-12(0)+4 \\
y=4
\end{gathered}
$$

## Lesson 15.1 Solving Radical Equations

What You Need to Know:
Remember the opposite of a square is a square root.

To get rid of a square root, you square BOTH sides of the equation.

But FIRST, move everything away (to the other side of the $=$ ) from the square root.

REMEMBER: $(x+2)^{2}=(x+2)(x+2)$

An extraneous is a solution that does NOT check correctly.


## Homework Assignment

## Worksheet "Solving Radical Equations"

