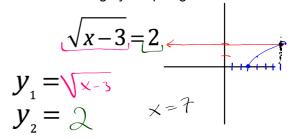
### 3-3 Solving Radical Equations

## Objectives:

-I can solve radical equations and check for extraneous solutions.

# Solving by Graphing



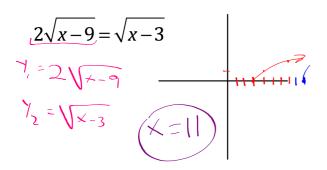
Graph both sides and find the intersection point

Mar 12-4:34 PM

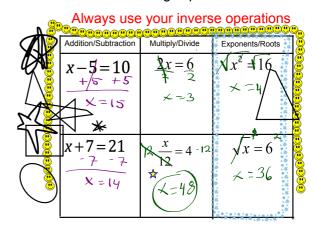
Mar 12-4:50 PM

## Solve the following by graphing

$$\sqrt{4x+1} = 7$$

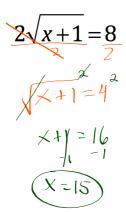


## Solving Equations



Mar 12-4:53 PM

Solve the following, check for extraneous solutions



Solve the following, check for extraneous solutions

$$4\sqrt{x} - 6 = 6$$

$$4\sqrt{x} = 12$$

$$\sqrt{x} = 3^{2}$$

$$\sqrt{x} = 9$$

Mar 19-10:09 PM

Aug 13-11:06 AM

Solve the following, check for extraneous solutions

Solve the following, check for extraneous solution
$$(x+5)^{\frac{1}{2}} - 2 = 1$$

Solve the following, check for extraneous solutions

$$\sqrt{2x+5}+4=3$$

Aug 13-10:56 AM