

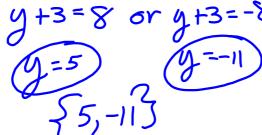
To Solve Equations involving absolute value:

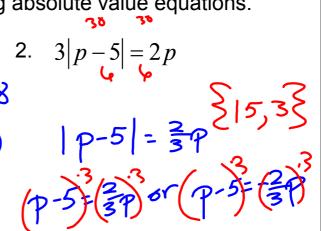
- <u>isolate</u> the absolute value \longrightarrow \longrightarrow \longrightarrow = #
- rewrite as two separate equations. __= = = -#
- solve each equation.
- **<u>check</u>** solutions, could be extraneous.
- write solutions in a solution set {} or graph on a # line.

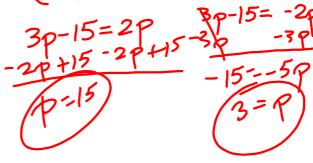
Examples: Solve the following absolute value equations.

1.
$$|y+3|=8$$

2.
$$3|p-5|=2p$$







Nov 18-7:46 AM

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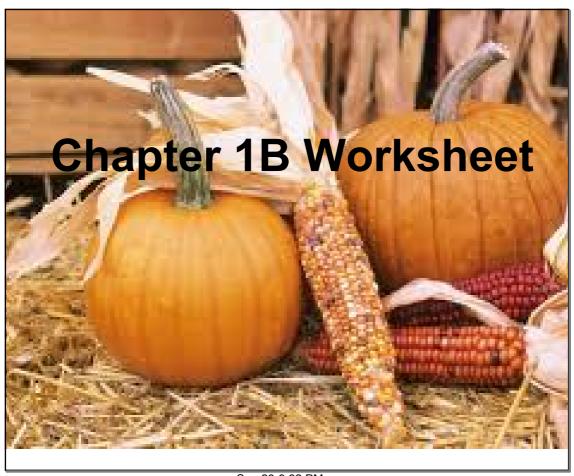
3.
$$|15 + m| = (-2m + 3)$$

$$15+m = -2m+3$$
 or $-3-m - m-3$

$$12 = -3m$$
 $2-4$

$$15+m = -(-2m+3)$$

 $15+m = 2m-3$
 $13-m-m+3$



Sep 23-9:32 PM