Absolute Value INEQUALITY Notes

It is ESSENTIAL that the steps for solving absolute value equations be followed in THIS order:

Step 1: Get the absolute value symbols alone.

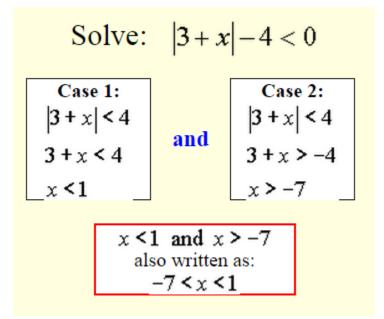
Step 2: Immediately divide the problem into 2 cases.

Case 1: Drop the absolute value symbols and solve.

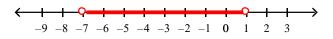
Case 2: \rightarrow Drop the absolute value symbols.

- \rightarrow Change the sign.
- \rightarrow Flip the inequality.
- \rightarrow Solve.

Example



(Be sure the "alligator" is eating the appropriate value.)



Name

Hour___

Solve each inequality and graph its solution.

