2.2 Compound Inequalities

Just like normal Inequalities you must \_\_\_\_\_\_\_\_\_\_\_\_\_ the symbol if you \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ by a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

There are two types of compound Inequalities \_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

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| Definition: | Numerical Example with set and interval notation:$$22<-6n+4<52$$ | Graphing Example: |
| Definition: | Numerical Example with set and interval notation:$$-x-6<-3 or 5x-1\leq -26$$ | Graphing Example: |

Practice: Solve each inequality and show the answer in interval notation.

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