**9.3: Solving Multi-step Inequalities**

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| DRILLS |
| Solve the following inequalities. Show your solution graphically. |



Today we will solve more complex inequalities following the same steps as before.



\* Don’t forget to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_!



Ex. 1: Solve the following inequalities.



a)  b) 



c)  d) 



Ex. 2: Jason earns $400 base salary plus $11 per hour. Sally earns $230 base salary plus $16 per hour. Write an inequality for how long Jason earns more than Sally. Solve the inequality for the number of hours Jason earns more than Sally.



**PRACTICE:** Pg. 365 # 3, 5, 6, 7, 8, 10