Classwork \& HW: Solving Algebraic Inequalities
Date: Nov. 21
Aim: Solve algebraic inequalities with variables on both sides and graph it's solution set.
Directions:
Solve and Graph the solution set. Use pages 13-15 for \#s $1-7$ to show your work.
HW: complete \#s 8-15 on pages 16-18.
Did You Hear About . . .

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | $? ?$ |

Solve each inequality or problem. Write the word under the correct solution in the box containing the exercise number.

answers 1-7
$x \geq 44$
OFTEN
$x \leq-2 \frac{1}{2}$
AND
$x>15$
$\begin{array}{r}\left\lvert\, x>4 \frac{1}{3}\right. \\ \text { THE } \\ \hline x<-7 \\ \text { MONKEYS } \\ \hline\end{array}$
$x>13$
1 $7 x+2>4 x+15$
$210-3 x \geq 5 x+26$
$82(t+5)>4 t-7(t+3)$


