## Algebra I Worksheet \#4 Unit 5 Selected Solutions

Solve each of the following equations. Show your steps neatly organized.
3. $|3 x+2|=1$
6. $|5 x-3|=8$
11. $|3 x+4|=6$



$x=\frac{-1}{3}$ or $\quad x=-1 \quad x=\frac{11}{5}$ or $x=-1 \quad x=\frac{2}{3}$ or $x=\frac{-10}{3}$

Solve for x . Graph the solution sets on the number lines provided.
13. $|x|<7$
$-7<x<7$

17. $|x|>3$
$\mathrm{x}<-3$ or $\mathrm{x}>3$

14. $|x| \leq 2$
$-2 \leq x \leq 2$

18. $|x| \geq 1$

$$
x \leq-1 \text { or } x \geq 1
$$



