Module 2 Review

module

2

Graph

1. $\left|\frac{3}{4}\left(x-2\right)\right|-3$



Use the graph below for 2.



 2. Write a function in standard form to match the graph. Let b = 1.

**Solve the following equations:**

 3. Solve $-10\left|x+2\right|=-70$

 4. Solve$-3\left|x+2\right|+3=6$

Solve graphically:

 5. $\left|x-3\right|+2=5$



**Solve the following inequalities. Graph the solution on a number line.**

 6. Solve $3\left|-x-4\right|+2>5$?

 7. Solve $\left|2x+1\right|-4\leq 5$

8. Solve $-5\left|2x+5\right|+6<16$

 **Solve graphically**

9.$\left|x-3\right|+2\geq -1$



* Know when you get no solution or one solution from absolute value equation.
* Set notations
* Know when you get all real numbers or no solution from absolute value inequality
* Find inverse and graph them