Solve each equation.

1. $-\frac{3}{4}x = 12$

2. $5x + 1 = -19$

3. $-2(x - 5) = 18$

4. $\frac{8-x}{3} = 7$

Simplify each expression.

5. $|8 - 12|$

6. $|-8| + |-5|$

7. $12 - |-10 + 5|$

8. $3 + |-2|$

9. In problems 5-8 there were bars around some of the numbers. What do those bars mean? For example, if you were given the expression, $|8|$, explain what that means.

10. If you were given the equation, $|x| = 4$, what do you think are the possible values of x to make the equation true? Explain all of your thinking.