Absolute Value Inequalities 7/2

Directions: Solve each inequality and graph the solutions

1) l x l + 6 ≤ 10 2) l x - 3 l < 1 3) l x - 2 l - 8 ≤ -3

4) l 5x l < 15 5) l x - 2.4 l + 4 ≤ 6.4 6) 4 + l x + 3 l < 7

7) l x - 1 l > 2 8) 6 l x l ≥ 60 9) l x - 4 l + 3 > 8

10) 2 l x + 2 l ≥ 16 11) 3 + l x - 4 l > 4 12) l x - ½ l + 9 > 10½

13) The thermostat for my house is set to 65℉, but the actual temperature of my house varies by as much as 7℉. Write and solve an absolute-value inequality to find the range of possible temperatures.