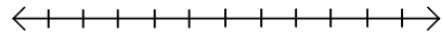
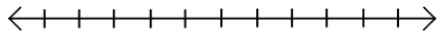


Solve the following inequalities and graph the solution on a number line.

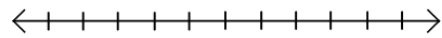
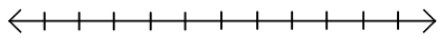
1) $-\frac{2}{3}(3x - 6) > -4$

2) $\frac{4x+10}{3} \geq 6$



3) $\frac{4}{5}x - \frac{1}{2} \leq \frac{2}{5}$

4) $-\frac{3}{4}x \leq \frac{2}{3}$



5) Mark wants to make money shoveling snow for his neighbors. He spends \$49 on a new shovel and salt to melt the ice. If he charges \$8 per driveway. How many driveways does he need to shovel to make **at least** \$95?

Simplify:

6) $(11x - 8) + 7(x - 1)$

7) $-\frac{1}{2}(-4x + 6)$

8) Find the area of a square with a side length of 10 meters.

9) A triangle has a base that is 6 meters long and an area of 33 square meters. What is the height of the triangle?

10) The screen on Lin's cell phone allows for 8 lines of text per message. The maximum number of characters for each message is 160. How many characters can each line hold?