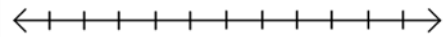
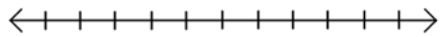


Solve the following inequalities and graph the solutions on the number lines.

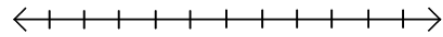
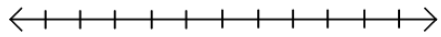
1)  $\frac{3}{4} > x + \frac{1}{2}$

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



3)  $5(2 - x) \geq 30$

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



5) Sarah is creating a craft project for her friends to complete. She wants to use yarn to make triangles. If she has already cut pieces that are 4 inches and 7 inches long, what is one possible length for the last piece? Explain how you know.

Solve the following problems:

6)  $-8(-6)$

7)  $\frac{-6}{3}$

8)  $5(3 - 8)$

9) On a basketball court, there is a semicircle above the free-throw line that has a radius of 6 feet. Find the area of the semicircle. Use 3.14 for  $\pi$ . Round to the nearest tenth.

10) Harry's Pizzeria is having a sale on medium and large pizzas. Medium pizzas are 10 inches in diameter and cost \$7.99. Large pizzas are 14 inches in diameter and cost \$14.99. Which size pizza is a better deal? Explain. (*Hint*: Find the cost per square inch of each pizza.)