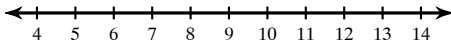


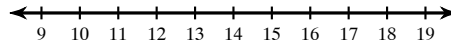
WS 2.2 Solving Inequalities and Application

Solve each inequality and graph its solution.

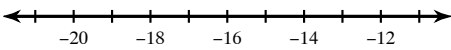
1) $-20 < -2x$



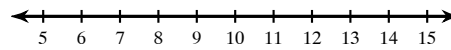
2) $-176 > -16x$



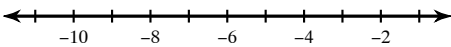
3) $\frac{4+n}{2} \geq -7$



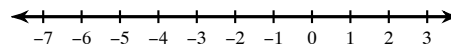
4) $2 + \frac{p}{12} \leq 3$



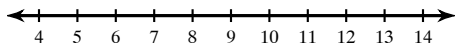
5) $-93 \leq 3(1 + 4r)$



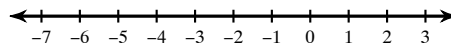
6) $22 - 3n < -2(7 + 6n)$



$$7) 35 \geq -2(1 - 5p) + 3(-2p + 3)$$



$$8) -6(3 - 7x) + 6(3 - 6x) > -6$$



- 9) Amanda rented a bike from Shawna's Bike Shop. They charged her \$2 per hour, plus a \$10 fee. Amanda paid less than \$27. Write an inequality to represent this situation. Find the maximum number of hours Amanda rented the bike.

- 10) For a field trip, 18 students rode in cars and the rest filled 5 buses. How many students were in each bus if no more than 250 students went on the field trip? (Make sure to write and solve an inequality to represent the situation)