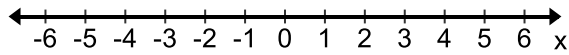
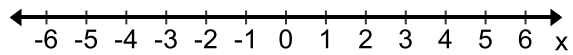


Solve and graph each inequality.

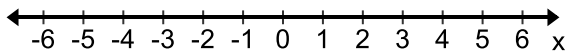
1)  $\frac{x}{2} \geq -3$



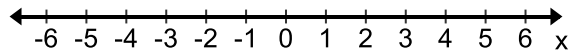
2)  $\frac{x+6}{4} \leq 5$



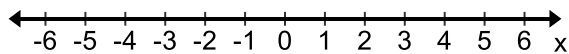
3)  $-4x < -12$



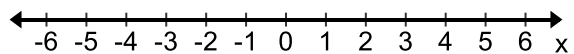
4)  $4x + 3 > -5$



5)  $-2(x - 4) \leq -10$

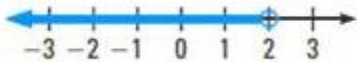


6)  $\frac{4}{5}x \leq -8$

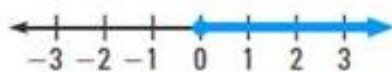


Write the inequality represented by each graph.

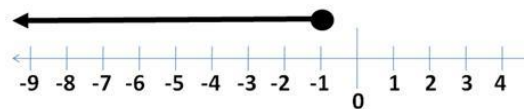
7) \_\_\_\_\_



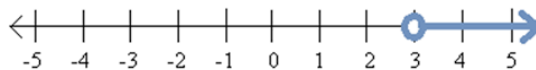
8) \_\_\_\_\_



9) \_\_\_\_\_



10) \_\_\_\_\_



11) Write and solve an inequality to represent the following situation.

Alex wants to earn at least \$50 to put in his savings. He already has \$14 and he earns \$9 a week mowing his neighbor's lawn.

12) If Alex mows his neighbor's lawn for 4 weeks, will he have earned at least \$50? Explain how you know.

13) Will the following side lengths form a triangle? Explain how you know.

6 cm, 8 cm, and 12 cm

14) Will the following side lengths form a triangle? Explain how you know.

1 cm, 6 cm, and 9 cm