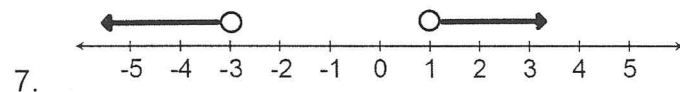
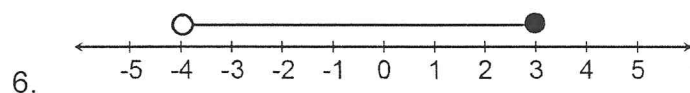
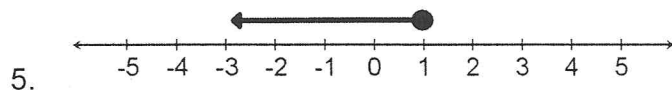


Algebra 1 Bellwork Tuesday, October 28, 2014

Write an inequality for each statement or graph.

1. The Maximum number of patrons allowed in the restaurant is 80.
2. Yunis needs at least 40 points to break the record.
3. The Minimum credit score to get a loan is 650.
4. They need to find at least 12 people and no more than 30 who are interested in order to have an Art Club.



Solve each inequality and graph the solution.

8. $\frac{13}{3} - \frac{7}{12}w \geq \frac{19}{18}$

9. $4a - 7 < 31$ or $9 - 2a \leq -43$

10. $-11 \leq \frac{x-1}{3} < 10$

Write an inequality for each statement or graph.

1. The Maximum number of patrons allowed in the restaurant is 80.

$$P \leq 80$$

2. Yunis needs at least 40 points to break the record.

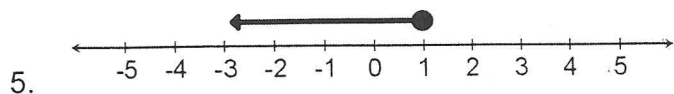
$$P \geq 40$$

3. The Minimum credit score to get a loan is 650.

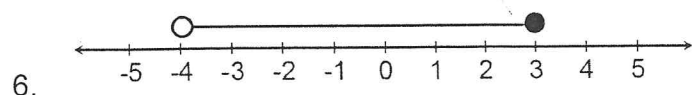
$$S \geq 650$$

4. They need to find at least 12 people and no more than 30 who are interested in order to have an Art Club.

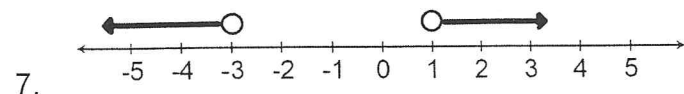
$$12 \leq P \leq 30$$



$$X \leq 1$$



$$-4 < A \leq 3 \Rightarrow A > -4 \text{ AND } A \leq 3$$

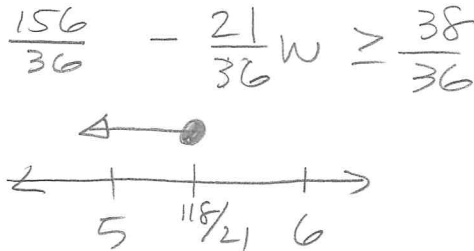


$$X < -3 \text{ OR } X > 1$$

Solve each inequality and graph the solution.

8. $\frac{13}{3} - \frac{7}{12}W \geq \frac{19}{18}$

$$W \leq \frac{118}{21}$$



$$\frac{156}{36} - \frac{21}{36}W \geq \frac{38}{36} \rightarrow \frac{156}{36} - \frac{21}{36}W \geq \frac{38}{36}$$

$$\frac{-21W}{-21} \geq \frac{-118}{-21}$$

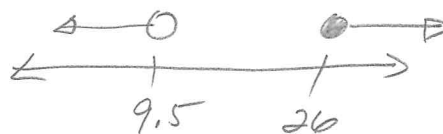
$$W \leq \frac{118}{21}$$

9. $4a - 7 < 31$ or $9 - 2a \leq -43$

$$\frac{4a}{4} < \frac{38}{4}$$

$$\frac{-2a}{-2} \leq \frac{-52}{-2}$$

$$a < 9.5 \text{ OR } a \geq 26$$



10. $3(-11) \leq \frac{x-1}{3} < 10.3$

$$\begin{matrix} -33 & \leq & x-1 & < & 30 \\ +1 & & +1 & & +1 \end{matrix}$$

$$-32 \leq X < 31$$

