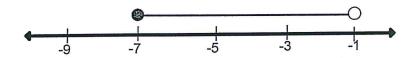
- 1. The theater can seat no more that 500 people.
- 2. The ladder can reach a maximum of 20 feet up the wall.
- 3. They need at least 51% of the people to vote yes for the proposal to pass.
- 4. The team can have up to 18 players on the roster.
- 5. The minimum charge allowed to be able to use a credit card is \$10.
- 6. Graph this inequality on a number line. $-4 \le G$



7. Write the inequality modeled by this graph:



Solve each.

8.
$$4-3(y-5)+9y > 15+6y$$

9.
$$\frac{11}{9} - \frac{7}{6}M < \frac{5}{12}$$

10.
$$3|2x - 7| + 4 = 31$$

11.
$$\frac{1}{2}|3x+8|+13=5$$

Tuesday, November 17, 2015 Bellwork Algebra 1

Model each with an inequality.

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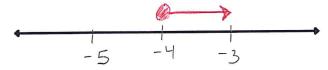
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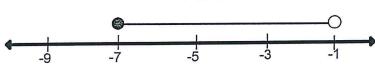
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Solve each.

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$$4-3(y-5)+9y > 15+6y$$

10.
$$3|2x-7|+4=31$$

$$\frac{3|2x-7|=27}{3} \quad X=-1, 8$$

9. $\frac{4}{4} \cdot \frac{11}{9} - \frac{7}{6}M \gtrsim \frac{5}{12} \cdot \frac{3}{3}$ $M > \frac{29}{45}$

44 - 42 M / 15