

Algebra 1 Monday Week 7

Warm Up

Skill 1: Solve. Show all work.

1. $4(2 - 3c) + 2c - 6 = 6 - (2c - 3) + 9$

Skill 2: Write and solve a proportion.

2. Barney got 17 yellow M & Ms in the last package of 42 candies. How many yellow candies should be in the jar filled with 382 M&Ms? Round to the nearest whole candy.

Skill 3: Solve and Graph Compound Inequalities on a number line.

3. Solve for y .

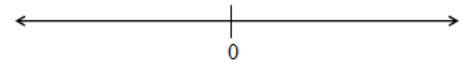
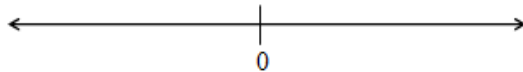
$$5x - 7y = 42$$

4. Solve and graph

$$3(x - 2) - 7x \leq 2$$

5. Solve and graph

$$5 \leq 3x - 4$$

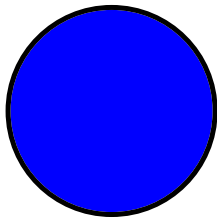


6. A car makes a trip at 80 mph. It takes a bus traveling at 65 mph 2 hours longer to make the same trip. How far are they traveling?
7. Stacy bought a 12 pack of gum for \$3.60. She found that each pack lasted 2 days. What was the cost per day?

Silent Board Games

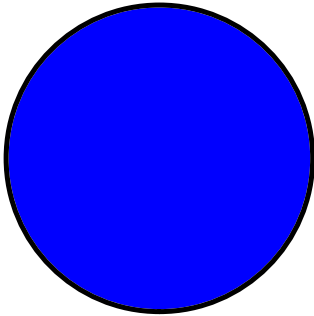
The Silent Board Game

- All of us will remain silent
- Raise your hand To be given a turn.
- Write your answer on the board and quietly sit down.
- If correct, it will stay.
- If wrong, it will be erased.
- Once all the numeric values have been found, the next person will write a description of the rule.



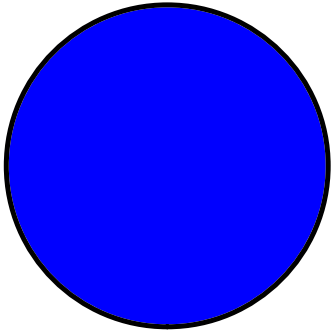
X	Y
-7	47
	398
2	2
11	
	34
5	
-9	79
	-2

y=



X	Y
	10
-10	
6	13
	9
100	
-6	7
-9	5.5

$y =$



X	Y
	-88
-6	20
9	
	-13
-9	29
-2	
6	-16

y=

CW

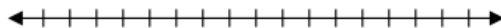
Practice 3-6

Name: _____

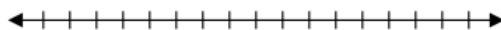
Date: _____ Period: _____

Solve each compound inequality and graph the solution:

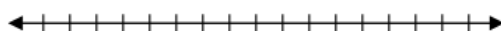
1. $-5 < x + 5 < 5$



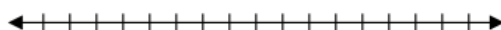
2. $k - 3 > 1$ or $k - 3 < -1$



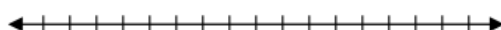
3. $-4d \geq 8$ and $2d \geq -6$



4. $-6 \leq 9 + 3y \leq 6$



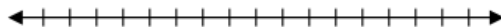
5. $4 - 2x > 7$ and $2 - 3(x + 1) < 5$



6. $8(3x - 6) < -24$ or $2(3b - 2) < 4b + 8$



7. $6 - 2(4x + 1) \geq -10$ and $5 - (x - 9) < 2x + 7$



CW

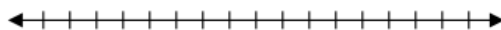
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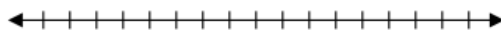
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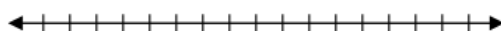
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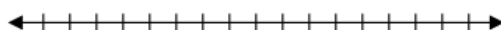
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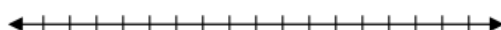
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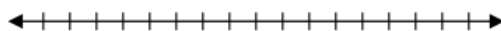
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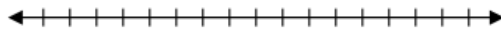
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HW p 204: 9, 11, 13, 17, 19, 21, 35-37

Write a compound inequality that represents each phrase. Graph the solutions.



9. all real numbers that are between -5 and 7



Solve each compound inequality. Graph your solutions.



11. $-4 < k + 3 < 8$

13. $3 < 4p - 5 \leq 15$

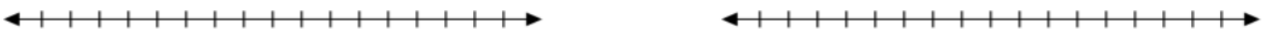


Solve each compound inequality. Graph your solutions.



17. $6b - 1 < -7$ or $2b + 1 > 5$

19. $4d + 5 \geq 13$ or $7d - 2 < 12$



21. $5y + 7 \leq -3$ or $3y - 2 \geq 13$



Write a compound inequality that each graph could represent.

