

Name: _____ Period: _____

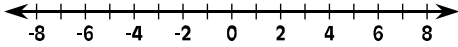
Week 32 Homework Packet – 7th Grade Math Honors

ASSIGNMENT DUE WED/THU, APRIL 5/6, 2017

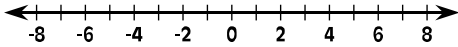
Unit 4, Chapter 8 – Equations and Inequalities

Graph each inequality below on the number line provided.

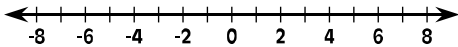
1) $x \leq 7$



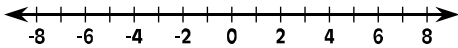
2) $x > \frac{1}{2}$



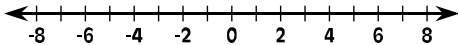
3) $x < 3$



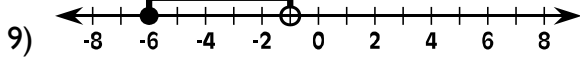
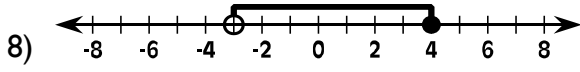
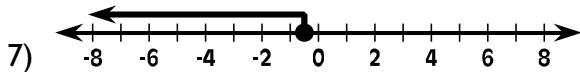
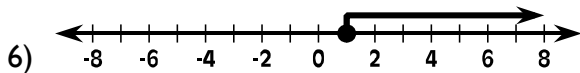
4) $4 > x \geq -2$



5) $-7 < x < 0$



For each problem below, write the inequality that is graphed on the number line.



SCORE
/4

WEEK SCORE
/12

Stamp

Solve each equation below. Show all work!

10) $2x - 7 = 3(3x + 7)$

11) $-1 + 5m = 5(m - 1)$

12) $20 - 5x = 4(5 - 5x)$

13) $5(p - 4) = -20 + 5p$

14) $5(n - 5) + n = -25 + 6n$

15) $-25 - 5n = -6(-5 - n)$

Name: _____

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SCORE
/4

Stamp

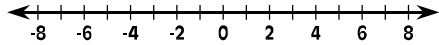
7th Grade Math Honors

ASSIGNMENT DUE FRIDAY, APRIL 7, 2017

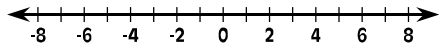
Unit 4, Chapter 8 - Equations and Inequalities

Solve each inequality below, then graph your answer. Show all work!

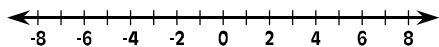
1) $4x - 5 \leq 19$



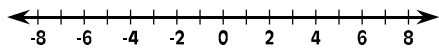
2) $-2 < \frac{x-3}{2}$



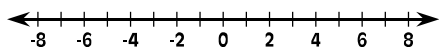
3) $9(2 + k) \leq -45$



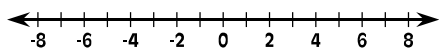
4) $-8 < \frac{v}{6} - 7$



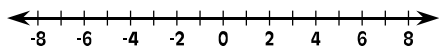
5) $5(p - 4) \leq 20$



6) $2 + \frac{x}{3} > 0$



7) $1 > \frac{8+a}{6}$



Skills Review

Write the following numbers in scientific notation.

8) 256,000,000,000,000

9) 0.000 000 000 41

10) 371.2

Evaluate each of the following and write your answers in scientific notation. Show all work!

11) $(3 \times 10^{174}) + (4 \times 10^{175})$

12) $(1.67 \times 10^{438}) - (8.2 \times 10^{437})$

13) $(5 \times 10^{200}) \times (8 \times 10^{400})$

14) $(6 \times 10^{500}) \div (3 \times 10^{400})$