Algebra 1 Name_____ ID: 1

Alg I 3.4 Practice

Date_____ Period____

Solve each equation.

1) $-4(1+3n) = 4(-3-4n)$

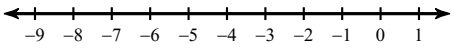
2) $-4(a-1) = -3(a-4)$

3) $-2(-2n-2) - 2n = -3(1-3n)$

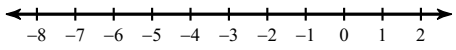
4) $-4(x+3) = 1 - (1+4x)$

Solve each inequality and graph its solution.

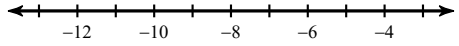
5) $b - 20 \geq -25$



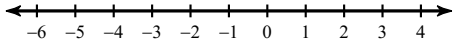
6) $b + 9 < 8$



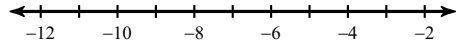
7) $2x - 1 > -11$



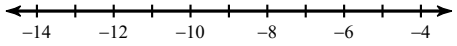
8) $4(k + 3) < 16$



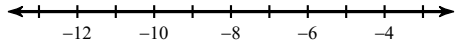
9) $11 < -1 - 2v$



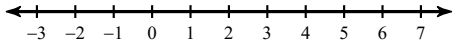
10) $\frac{a - 3}{9} < -1$



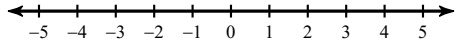
11) $7 + 8(4 + 3x) > -81$



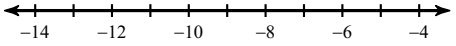
12) $91 > 3(8x - 4) + 7$



13) $7(1 - 6p) < 7(1 + 7p) + p$



14) $4(x + 8) + 8x \geq 4 + 4(x - 5)$



Answers to Alg I 3.4 Practice (ID: 1)

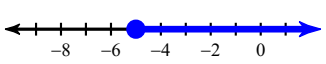
1) $\{-2\}$

2) $\{-8\}$

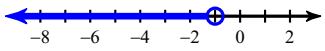
3) $\{1\}$

4) No solution.

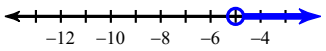
5) $b \geq -5$:



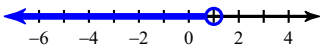
6) $b < -1$:



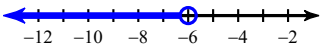
7) $x > -5$:



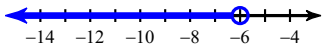
8) $k < 1$:



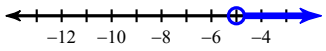
9) $v < -6$:



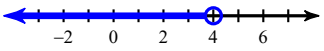
10) $a < -6$:



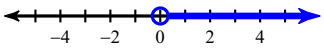
11) $x > -5$:



12) $x < 4$:



13) $p > 0$:



14) $x \geq -6$: