

Name: _____

HW# _____

Solve and graph each inequality.

1.) $-4x + 6 + 2x - 18 > -8$

2.) $-5x + 7 \geq 22 - 2x$

3.) $4(x - 2) < 3(x + 1)$



4.) $4x + 5 > -31$



5.) $2x + 5 > -26$



6.) $\frac{x}{-3} - 10 < 5$



Which represents the *largest integer* in the solution set of $3x + 9 < 21$?

(A) 4

(B) 3.9

(C) 3

(D) 9

Is $x = -3$ in the solution set of $-4 + 5x \geq -9$? Justify your answer.