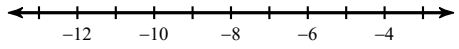
Final Exam Review Day 4 Practice

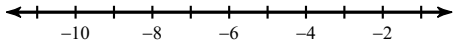
Date_____ Period____

Solve each inequality and graph its solution.

1) $-131 < 5b + 2(1 + 7b)$

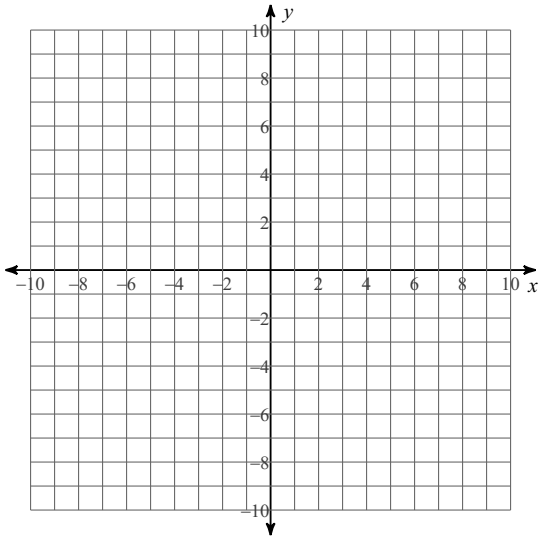


2) $215 \geq 5(-6n + 7)$



Solve the system by graphing.

3) $9x + 7y = -28$
$2x + 7y = 21$



Solve each system.

4) $-2x + 6y = 4$
$x - 6y = -2$

5) $-4x - 2y = -3$
$2x + y = -3$

6) $-5x + y = -19$
$-10x + 2y = -38$

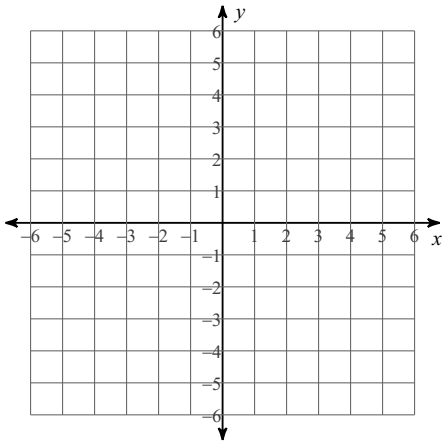
7) $3x + 5y = -16$
$x + y = -2$

8) Darryl and Natalie are selling fruit for a school fundraiser. Customers can buy small boxes of oranges and large boxes of oranges. Darryl sold 7 small boxes of oranges and 7 large boxes of oranges for a total of $175. Natalie sold 14 small boxes of oranges and 9 large boxes of oranges for a total of $265. Find the cost each of one small box of oranges and one large box of oranges.

9) The water park is a popular field trip destination. This year the senior class at High School A and the senior class at High School B both planned trips there. The senior class at High School A rented and filled 6 vans and 3 buses with 132 students. High School B rented and filled 2 vans and 2 buses with 68 students. Each van and each bus carried the same number of students. Find the number of students in each van and in each bus.

Sketch the graph.

10) $x - 3y > -9$



11) $y \leq -x + 3$
$y > x + 1$