

HW22 Substitution

Solve each system by substitution. Use a separate sheet of paper.

1) $-6x - 3y = -12$
 $y = -2x + 4$

2) $y = 4x + 9$
 $-8x + 2y = 18$

3) $-3x - 2y = -13$
 $y = 5$

4) $7x - 4y = 22$
 $y = 8x - 18$

5) $y = 3x + 5$
 $3x - 3y = -9$

6) $-21x + 3y = 5$
 $y = 7x - 8$

7) $7x + 2y = 4$
 $y = -5x + 5$

8) $y = -8x - 14$
 $-3x + 3y = 12$

9) $y = 3x - 5$
 $y = x - 1$

10) $y = 6x - 20$
 $y = -3x + 16$

11) $y = 2x + 4$
 $y = -8x + 14$

12) $y = 4x + 12$
 $y = 8x + 20$

13) $y = -4x + 7$
 $y = -6x + 11$

14) $y = x + 10$
 $y = -7x - 22$

15) $y = -5x + 8$
 $y = -4x + 5$

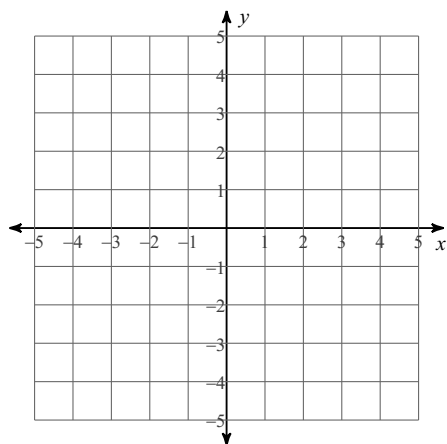
16) $y = -5x + 12$
 $y = 6x - 21$

17) If you did not do so in class, finish the Solving Systems of Equations maze.

18) Make sure your notebook is ready for Notebook Check 5. This will cover all lessons in Unit 3. Make sure to have all notes and complete your summaries. For summaries, write a couple of sentences explaining the most important part of each lesson.

Sketch the solution to each system of inequalities.

19) $y > \frac{1}{2}x - 3$
 $y < -2x + 2$



20) $y < 4x - 1$
 $y \geq x + 2$

