

Review of Systems of Equations

Name _____ Period _____

YOU MUST SHOW WORK TO GET CREDIT!!!

Solve each system of equations by substitution.

1.
 $2x - 3y = -1$
 $y = x - 1$

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

3.
 $-3x - 8y = 20$
 $-5x + y = 19$

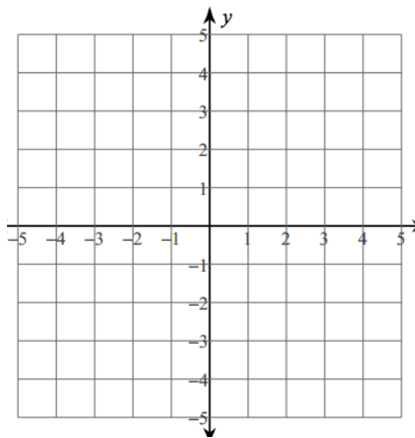
4.
 $-7x - 2y = -13$
 $x - 2y = 11$

5.
 $-5x + y = -2$
 $-3x + 6y = -12$

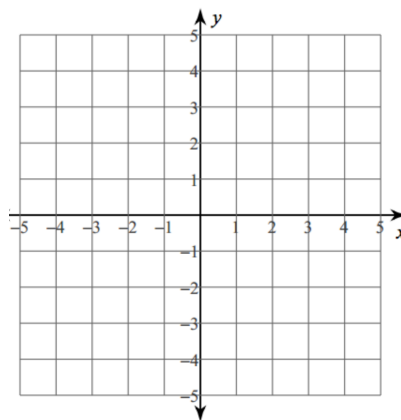
6.
 $6x + 6y = -6$
 $5x + y = -13$

Solve each system of equations by graphing.

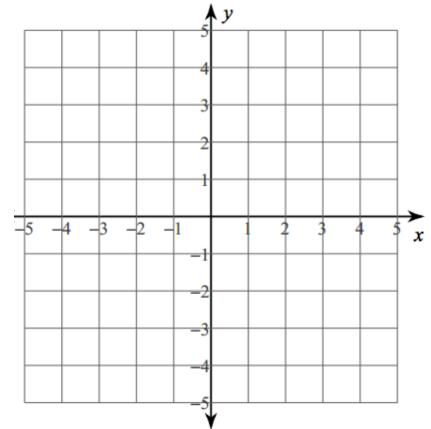
7.
 $y = 4x + 3$
 $y = -x - 2$



8.
 $y = 3x - 4$
 $y = -\frac{1}{2}x + 3$



9.
 $y = -2x + 2$
 $y = -2x - 2$



Solve each system of equations by elimination.

10.
 $-4x - 2y = -12$
 $4x + 8y = -24$

11.
 $7x + 2y = 24$
 $8x + 2y = 30$

12.
 $-6x + 5y = 1$
 $6x + 4y = -10$

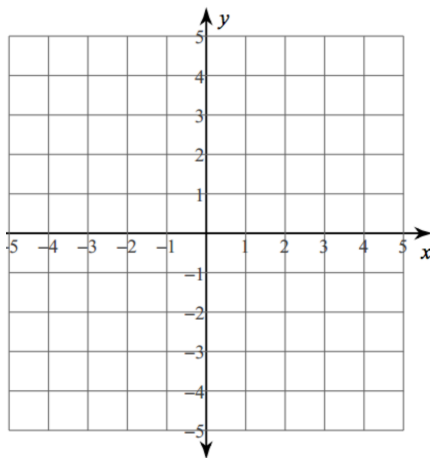
13.
 $5x + y = 9$
 $10x - 7y = -18$

14.
 $-7x + y = -19$
 $-2x + 3y = -19$

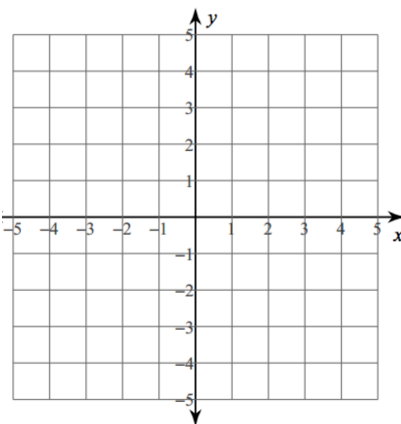
15.
 $3x - 2y = 2$
 $5x - 5y = 10$

Solve each system of inequalities.

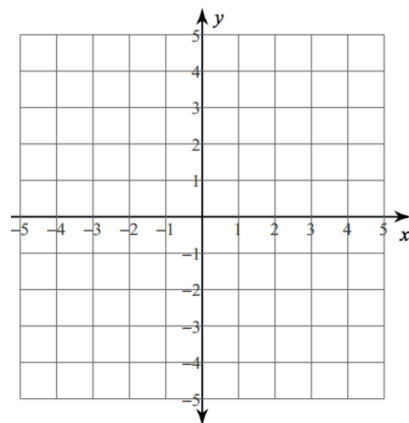
16.
 $y > -x - 2$
 $y < -5x + 2$



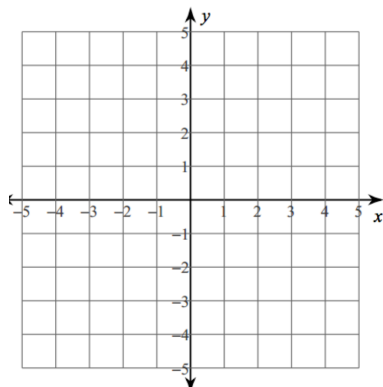
17.
 $y \leq \frac{1}{2}x + 2$
 $y < -2x - 3$



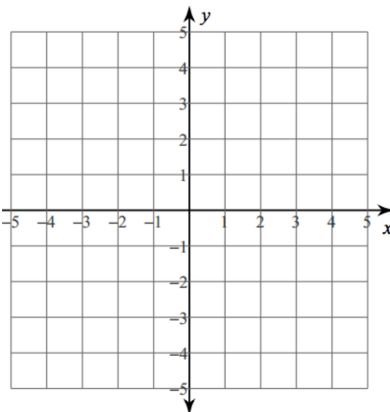
18.
 $y \leq -\frac{5}{2}x - 2$
 $y < -\frac{1}{2}x + 2$



19.
 $y \geq \frac{2}{3}x + 3$
 $y > -\frac{4}{3}x - 3$



20.
 $4x + y < 2$
 $y > -2$



21.
 $3x + 2y \geq -2$
 $x + 2y \leq 2$

