

Systems of Equations and Inequalities Practice

Date _____ Period _____

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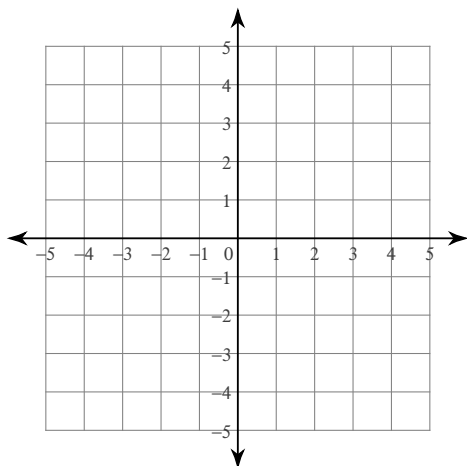
Solve each system by elimination.

1) $15x - y = -14$
 $-5x + 9y = -4$

2) $-7x + 9y = -26$
 $-10x + 4y = 16$

Solve each system by graphing.

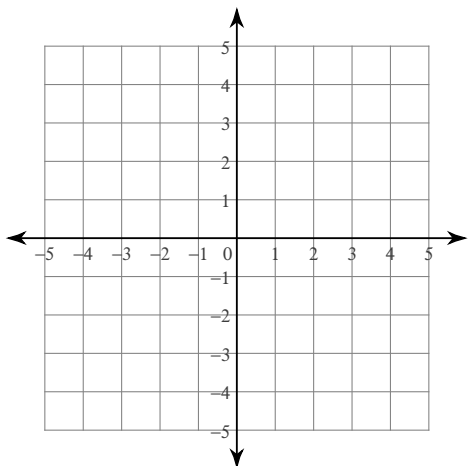
3) $y = -2 + x$
 $-8 = -x - 2y$

**Solve each system by substitution.**

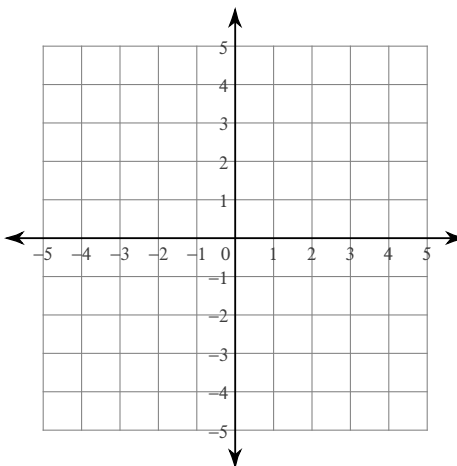
4) $x + y = 1$
 $-2x - 8y = 10$

Sketch the solution to each system of inequalities.

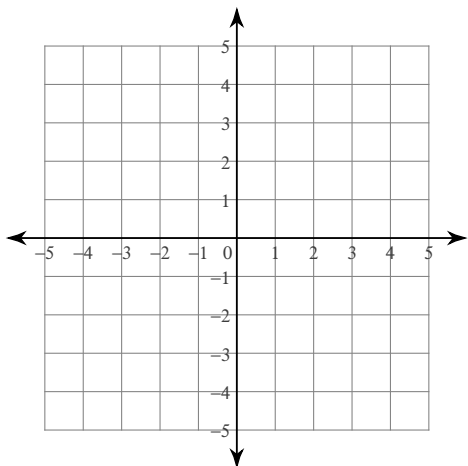
5) $y > \frac{1}{2}x + 2$
 $y \geq 2x - 1$



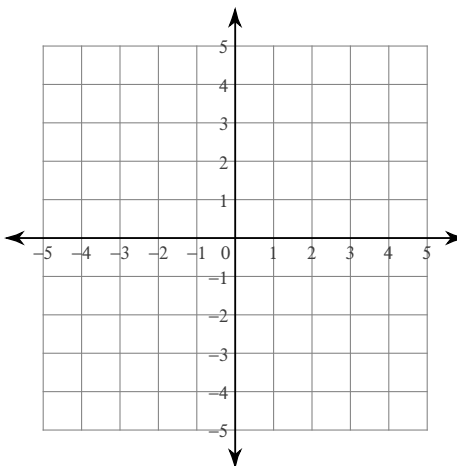
6) $y \geq -2x + 2$
 $y \leq -\frac{1}{2}x - 1$



7) $5x - y > 2$
 $x - y \geq -2$



8) $x - y \leq 2$
 $5x - y \leq -2$



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Solve each system by elimination.

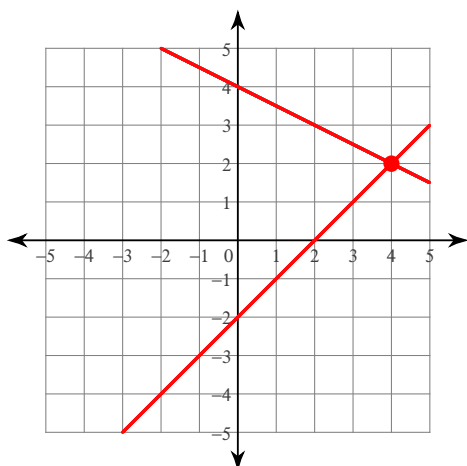
1) $15x - y = -14$
 $-5x + 9y = -4$

 $(-1, -1)$

2) $-7x + 9y = -26$
 $-10x + 4y = 16$

 $(-4, -6)$ **Solve each system by graphing.**

3) $y = -2 + x$
 $-8 = -x - 2y$

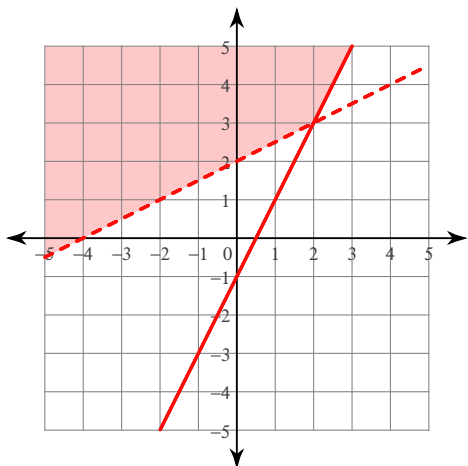
 $(4, 2)$ **Solve each system by substitution.**

4) $x + y = 1$
 $-2x - 8y = 10$

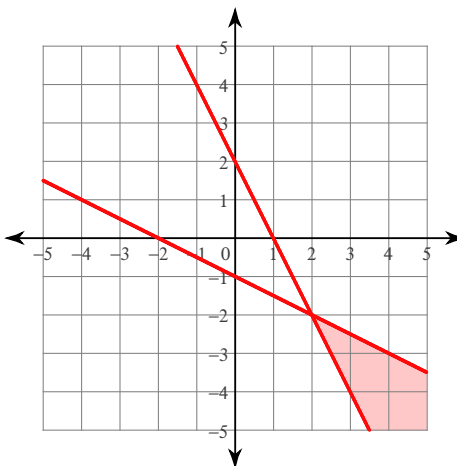
 $(3, -2)$

Sketch the solution to each system of inequalities.

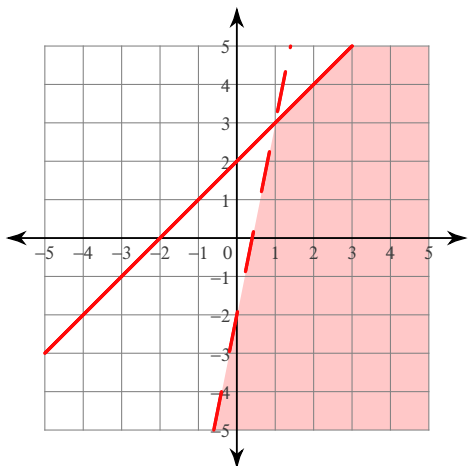
5) $y > \frac{1}{2}x + 2$
 $y \geq 2x - 1$



6) $y \geq -2x + 2$
 $y \leq -\frac{1}{2}x - 1$



7) $5x - y > 2$
 $x - y \geq -2$



8) $x - y \leq 2$
 $5x - y \leq -2$

