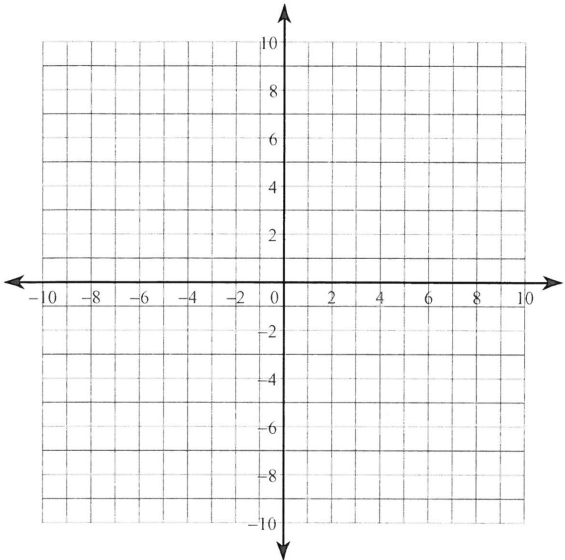


#8 System of Linear Inequalities

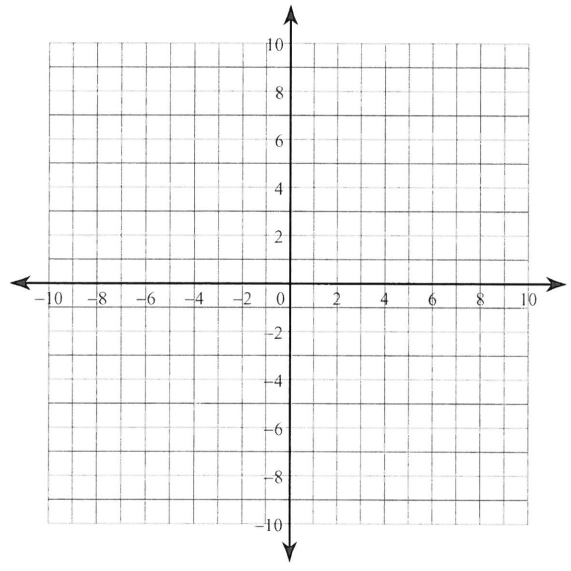
Sketch the solution to each system of inequalities.

1) $y \leq -\frac{3}{2}x + 7$

$y \leq \frac{1}{2}x - 5$

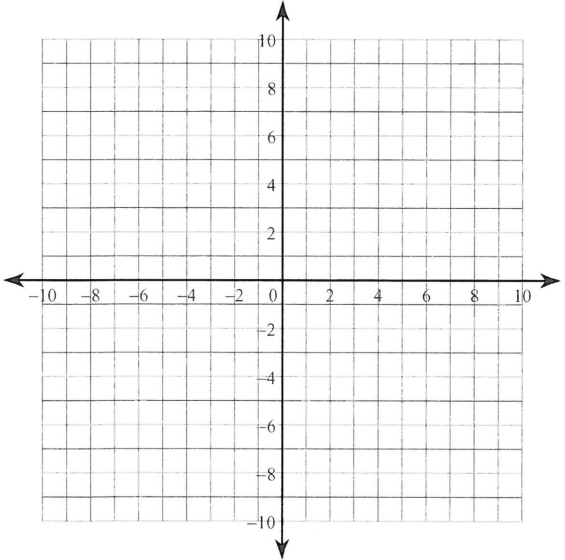


2) $y \leq -x + 3$
 $y < x + 1$



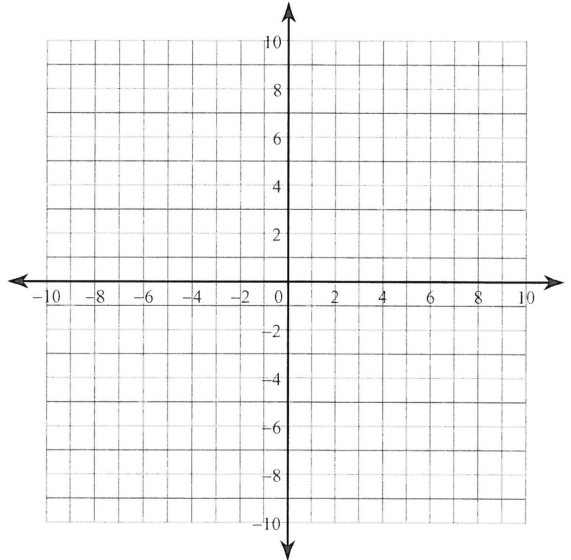
3) $y < \frac{3}{2}x - 4$

$y \geq -\frac{1}{3}x + 7$

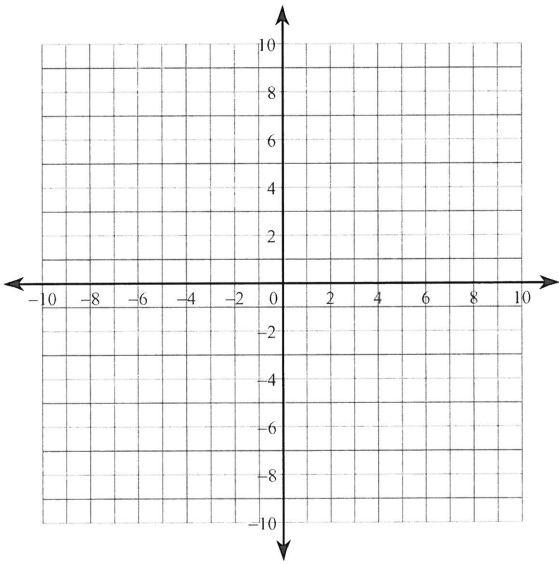


4) $y \geq -\frac{3}{7}x + 5$

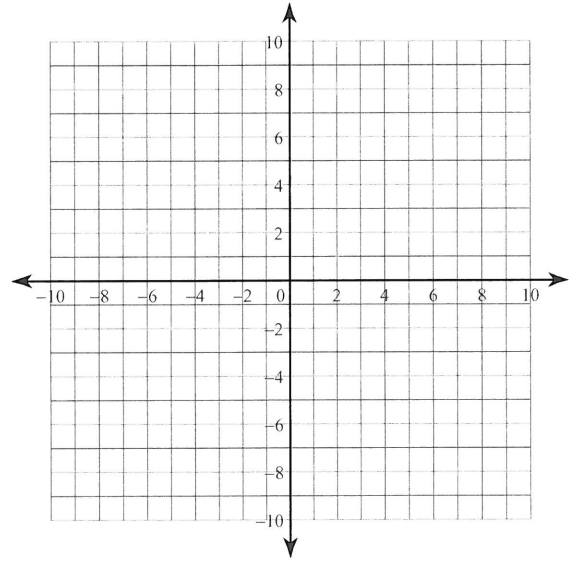
$y > -\frac{12}{7}x - 4$



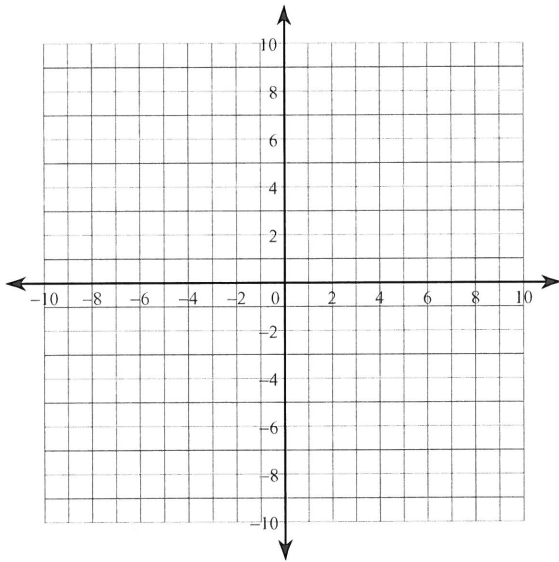
5) $x + 5y \geq -25$
 $12x + 5y > 30$



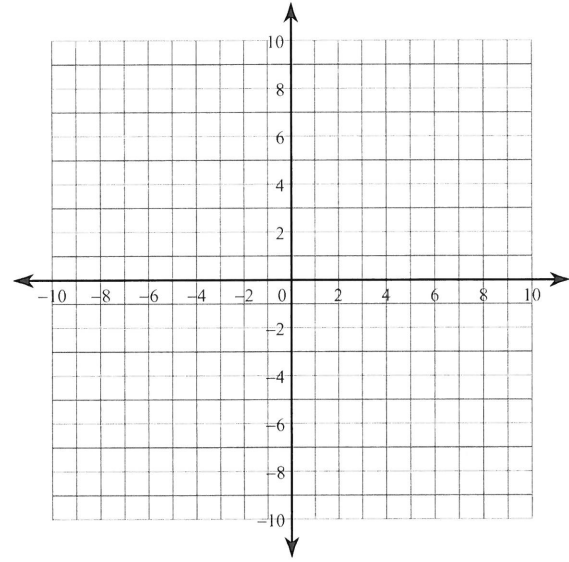
6) $x + y < -2$
 $7x - 3y \leq -24$



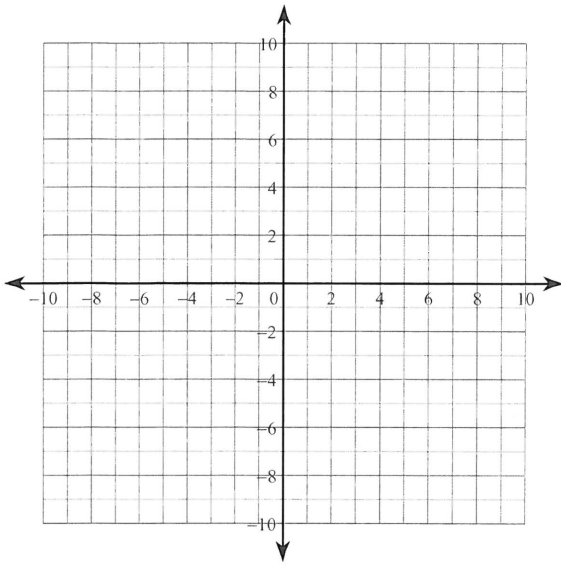
7) $4x + 7y > -42$
 $10x - 7y < -56$



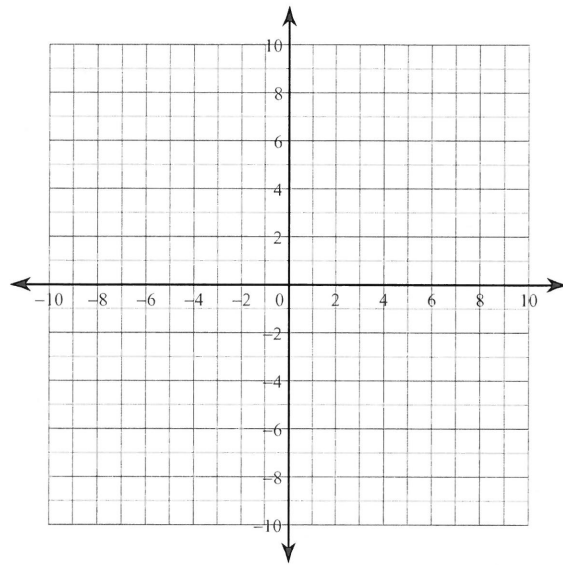
8) $2x - 7y > -42$
 $8x + 7y > -28$



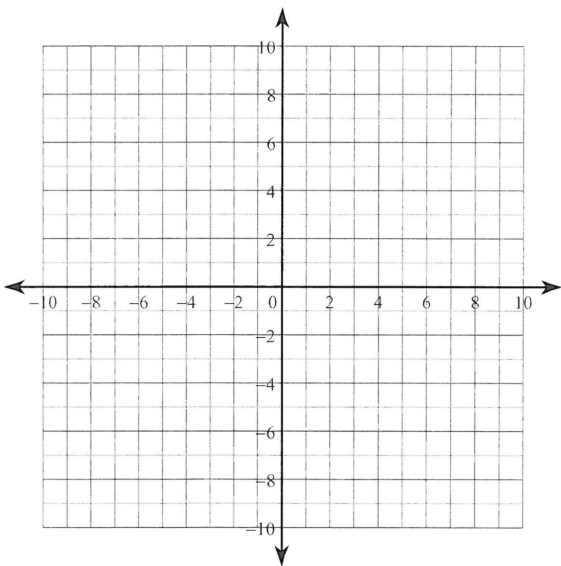
9) $x - 2y < 12$
 $11x + 6y \leq 48$



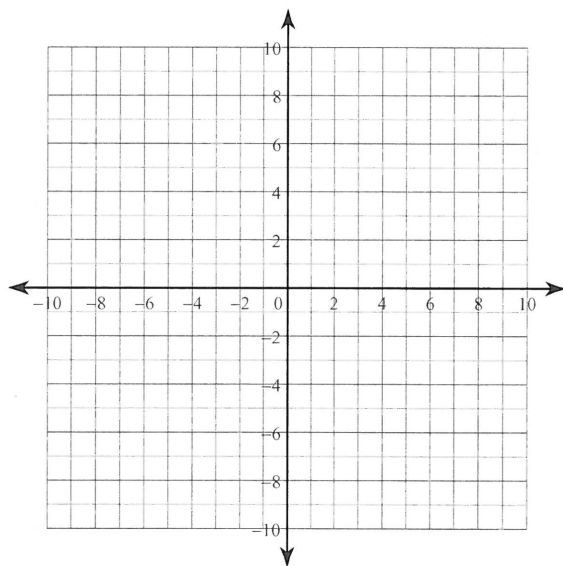
10) $x - 6y \leq -18$
 $3x - 2y < 10$



11) $3x - 2y \leq -8$
 $4x + y > -7$

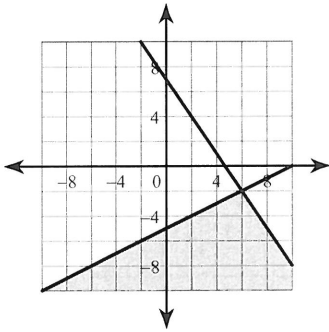


12) $2x + 7y > 35$
 $12x + 7y > -35$

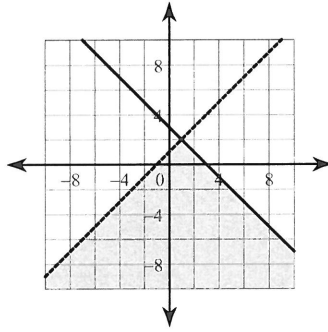


Answers to #8 System of Linear Inequalities

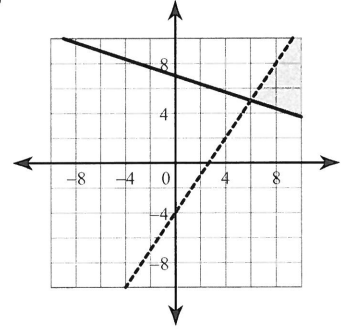
1)



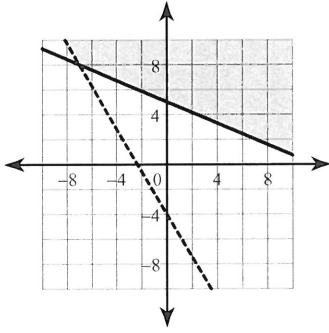
2)



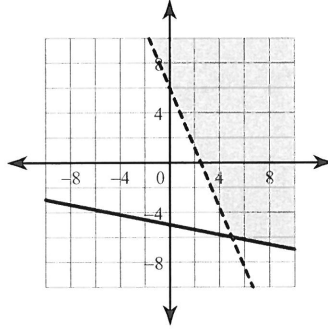
3)



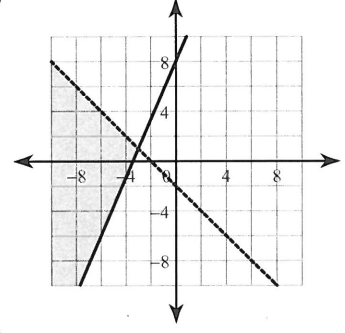
4)



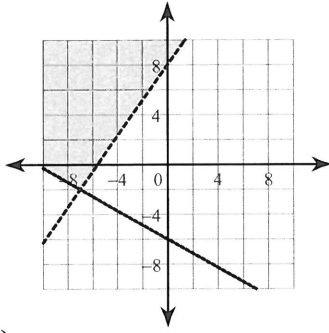
5)



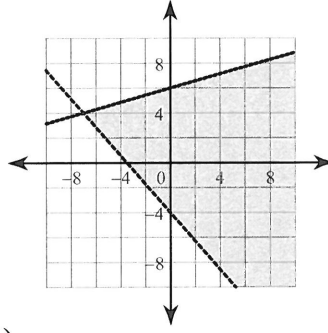
6)



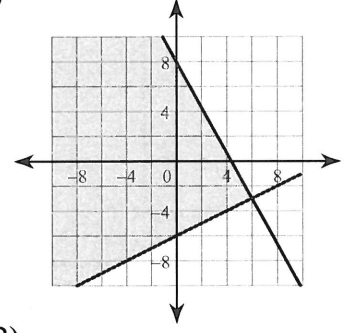
7)



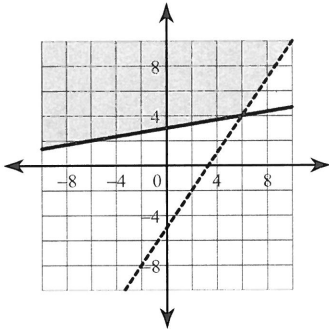
8)



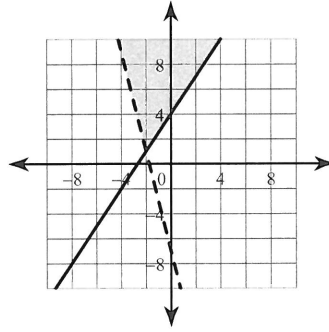
9)



10)



11)



12)

