

Practice 23

System of Inequalities

Graph the inequality.

1) $x - y > -6$

1) _____

2) $x + y < -3$

2) _____

3) $y \geq x - 2$

3) _____

4) $x > 3$

4) _____

5) $y \leq -7$

5) _____

6) $x^2 + y^2 \leq 4$

6) _____

7) $(x + 1)^2 + (y - 2)^2 > 16$

7) _____

Graph the solution set of the system of inequalities or indicate that the system has no solution.

8) $4x - y \leq 8$
 $x + 4y \geq -4$

8) _____

9) $y < -x + 6$
 $y > 4x - 3$

9) _____

10) $x + 2y \geq 2$
 $x - y \leq 0$

10) _____

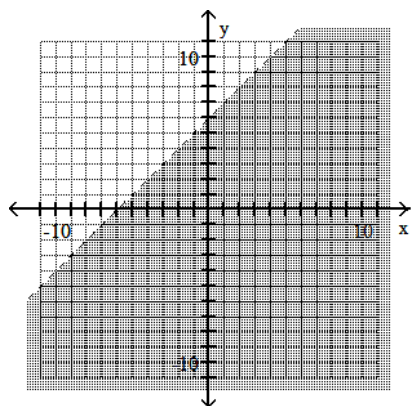
11) $-x + 4y < 12$
 $x \geq 4$

11) _____

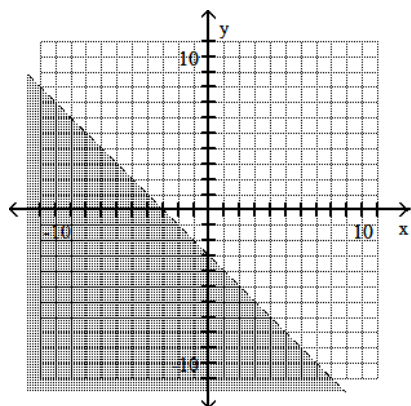
Answer Key

Testname: 23_SYSTEM OF INEQUALITIES

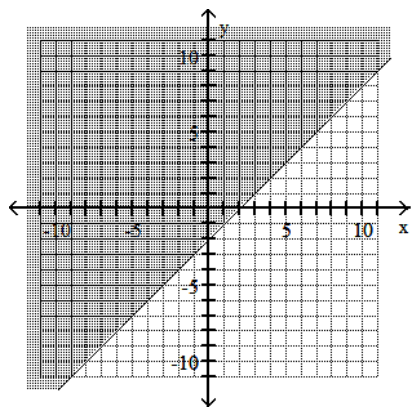
1)



2)



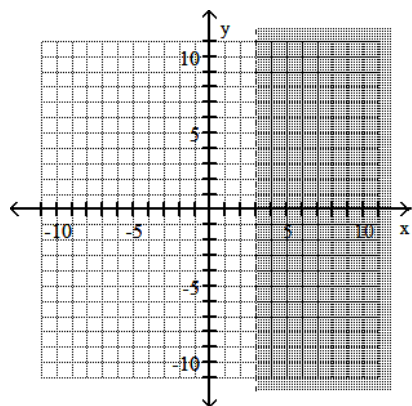
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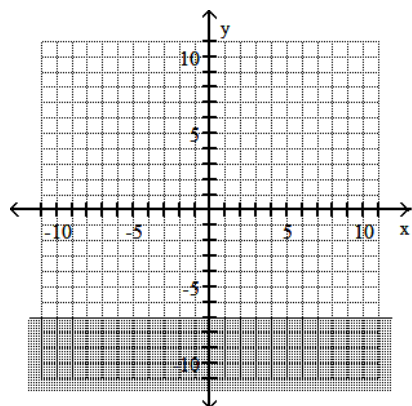
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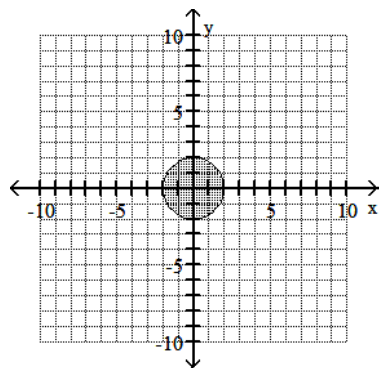
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5)



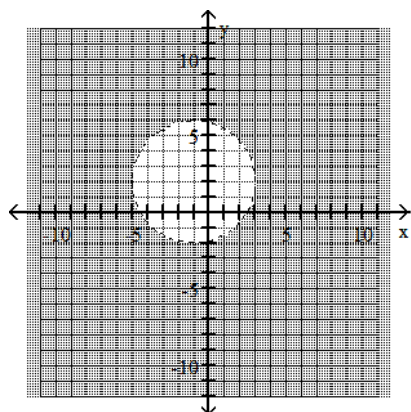
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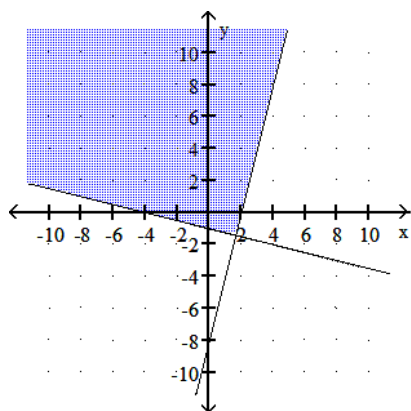
Answer Key

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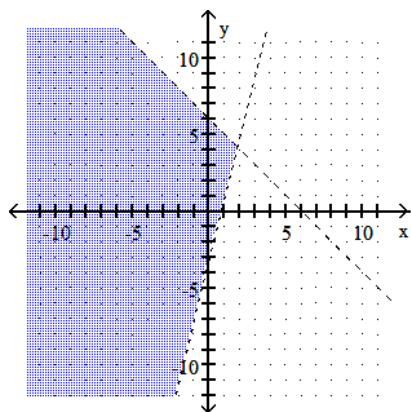
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8)



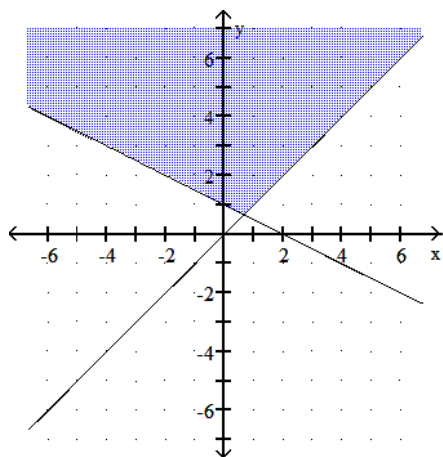
9)



Answer Key

Testname: 23_SYSTEM OF INEQUALITIES

10)



11)

