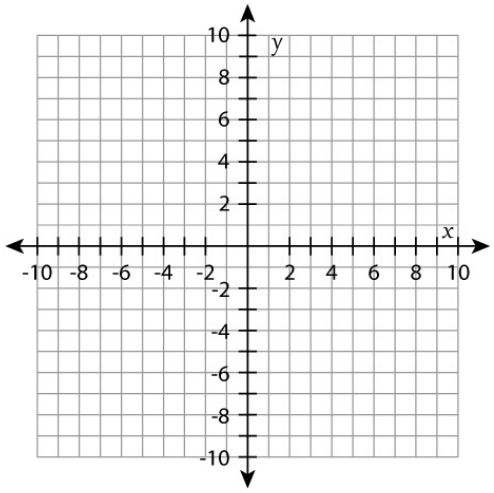
Systems of Linear Inequalities Multiple Choice Worksheet

MATH MONKS

Find graphically the correct ordered pair given in the solution set for the following system of inequalities.

1 $y \geq \frac{1}{2}x + 4$

$y \geq -x + 1$

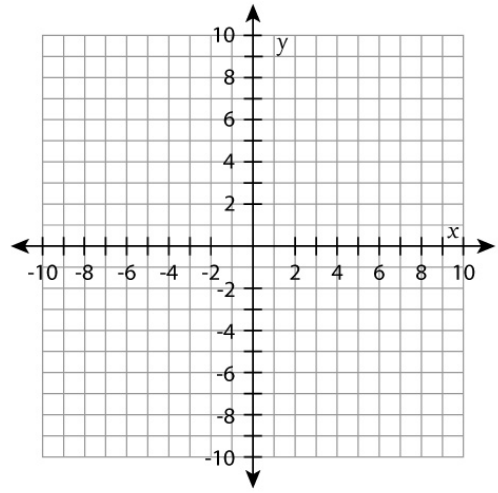


a) (-5 , 3) b) (-2 , 3)

c) (3 , -5) d) (4 , 0)

2 $y \geq x + 2$

$4x + 2y > 2$

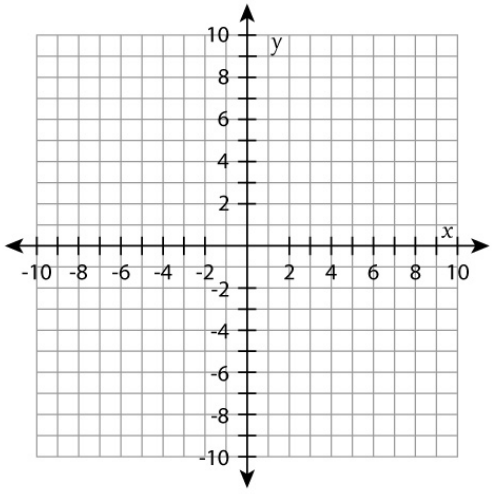


a) (-4 , 1) b) (-2 , 2)

c) (1 , -4) d) (0 , 3)

3 $y \geq 2x - 1$

$3y < x - 3$

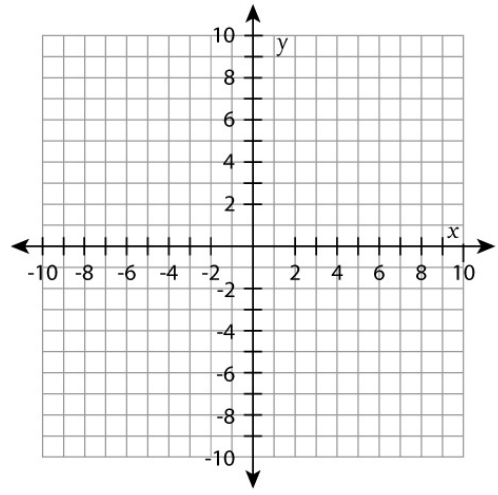


a) (0 , -1) b) (2 , 3)

c) (1 , 1) d) (-2 , 2)

4 $y \leq 3x + 1$

$x - y > 1$



a) (-1 , -2) b) (2 , 2)

c) (1 , 2) d) (-1 , 2)

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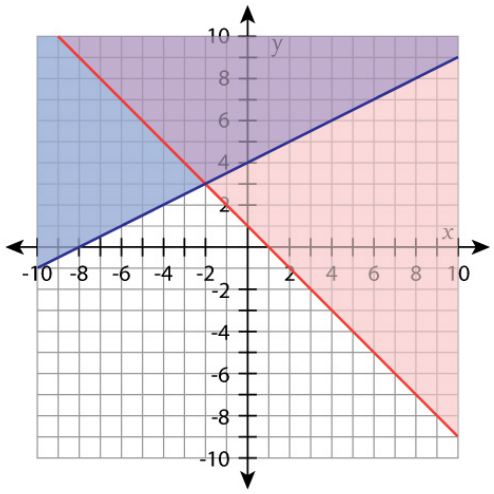
Answers

1 $y \geq \frac{1}{2}x + 4$

$y \geq -x + 1$

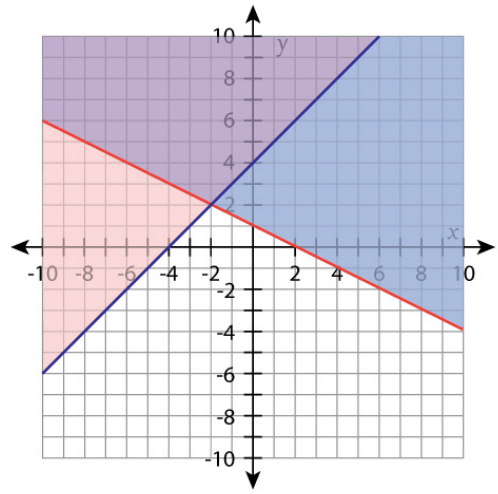


a) (-5 , 3) b) (-2 , 3) ✓

c) (3 , -5) d) (4 , 0)

2 $y \geq x + 2$

$4x + 2y > 2$

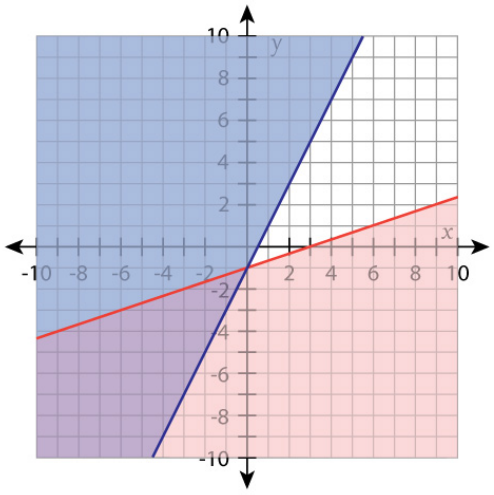


a) (-4 , 1) b) (-2 , 2) ✓

c) (1 , -4) d) (0 , 3)

3 $y \geq 2x - 1$

$3y < x - 3$

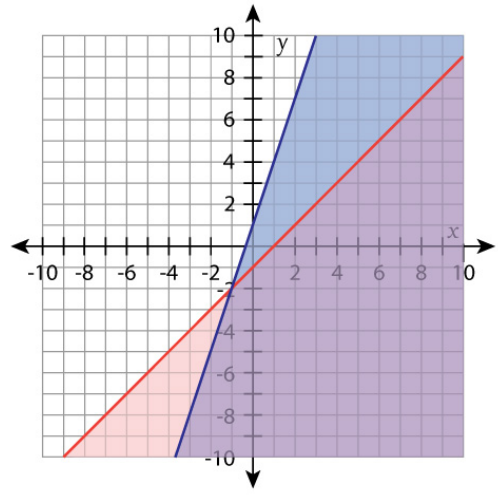


a) (0 , -1) ✓ b) (2 , 3)

c) (1 , 1) d) (-2 , 2)

4 $y \leq 3x + 1$

$x - y > 1$



a) (-1 , -2) ✓ b) (2 , 2)

c) (1 , 2) d) (-1 , 2)