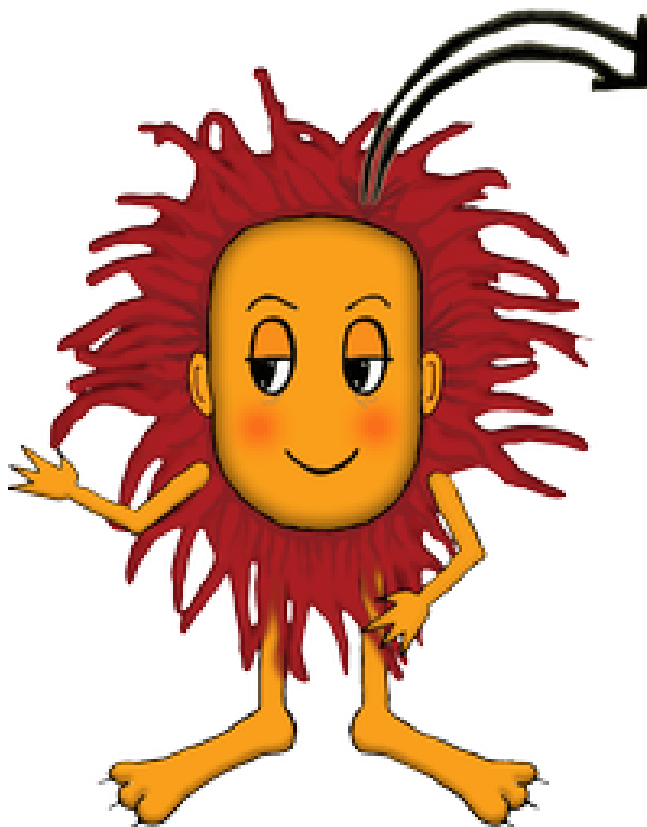


# Velika logična pošast



## Diofantska enačba s pogojem

Rešiti moramo diofantsko enačbo  
 $ax+by=c$ ,  
pri pogoju  $|x|+|y|<d$ .  
Rešitev prikaži grafično.

1.  
 $7x+3y=8$   
 $|x| + |y| < 6$

**2.**

$$3x+4y=7$$
$$|x| + |y| < 8$$

**3.**

$$4x+5y=9$$
$$|x| + |y| < 6$$

**4.**

$$6x+7y=7$$
$$|x| + |y| < 6$$

**5.**

$$6x+7y=4$$
$$|x| + |y| < 5$$

**6.**

$$6x+7y=7$$
$$|x| + |y| < 5$$

**7.**

$$7x+3y=2$$
$$|x| + |y| < 7$$

**8.**

$$6x+7y=7$$
$$|x| + |y| < 8$$

**9.**

$$3x+4y=4$$
$$|x| + |y| < 5$$

**10.**

$$3x+4y=7$$
$$|x| + |y| < 6$$

**11.**

$$6x+7y=2$$
$$|x| + |y| < 7$$

**12.**

$$7x+6y=7$$
$$|x| + |y| < 7$$

**13.**

$$4x+3y=3$$
$$|x| + |y| < 6$$

**14.**

$$5x+3y=5$$
$$|x| + |y| < 5$$

**15.**

$$5x+3y=9$$
$$|x| + |y| < 8$$

**16.**

$$3x+8y=7$$
$$|x| + |y| < 5$$

**17.**

$$5x+6y=2$$
$$|x| + |y| < 8$$

**18.**

$$3x+8y=7$$
$$|x| + |y| < 7$$

**19.**

$$3x+4y=3$$
$$|x| + |y| < 7$$

**20.**

$$6x+7y=8$$
$$|x| + |y| < 5$$

**21.**

$$5x+6y=6$$
$$|x| + |y| < 8$$

**22.**

$$3x+8y=6$$
$$|x| + |y| < 5$$

**23.**

$$7x+2y=6$$
$$|x| + |y| < 7$$

**24.**

$$7x+8y=9$$
$$|x| + |y| < 5$$

**25.**

$$7x+6y=7$$
$$|x| + |y| < 7$$

**26.**

$$3x+4y=2$$
$$|x| + |y| < 7$$

**27.**

$$6x+7y=2$$
$$|x| + |y| < 8$$

**28.**

$$3x+4y=5$$
$$|x| + |y| < 6$$

**29.**

$$5x+9y=5$$
$$|x| + |y| < 6$$

**30.**

$$5x+3y=5$$
$$|x| + |y| < 5$$

**31.**

$$3x+5y=3$$
$$|x| + |y| < 8$$

32.

$$7x+8y=8$$
$$|x| + |y| < 5$$

33.

$$5x+4y=8$$
$$|x| + |y| < 7$$

34.

$$4x+3y=6$$
$$|x| + |y| < 8$$

35.

$$6x+7y=7$$
$$|x| + |y| < 5$$

36.

$$7x+4y=4$$
$$|x| + |y| < 6$$

37.

$$4x+5y=6$$
$$|x| + |y| < 7$$

38.

$$7x+6y=2$$
$$|x| + |y| < 5$$

39.

$$5x+3y=8$$
$$|x| + |y| < 5$$

40.

$$6x+7y=3$$
$$|x| + |y| < 7$$

41.

$$5x+6y=2$$
$$|x| + |y| < 5$$

42.

$$4x+3y=2$$
$$|x| + |y| < 5$$

43.

$$5x+8y=2$$
$$|x| + |y| < 8$$

44.

$$3x+4y=3$$
$$|x| + |y| < 6$$

45.

$$6x+7y=5$$
$$|x| + |y| < 6$$

46.

$$5x+8y=3$$
$$|x| + |y| < 8$$

47.

$$6x+7y=2$$

$$|x| + |y| < 6$$

48.

$$7x+9y=9$$

$$|x| + |y| < 6$$

49.

$$7x+8y=6$$

$$|x| + |y| < 5$$

50.

$$4x+7y=4$$

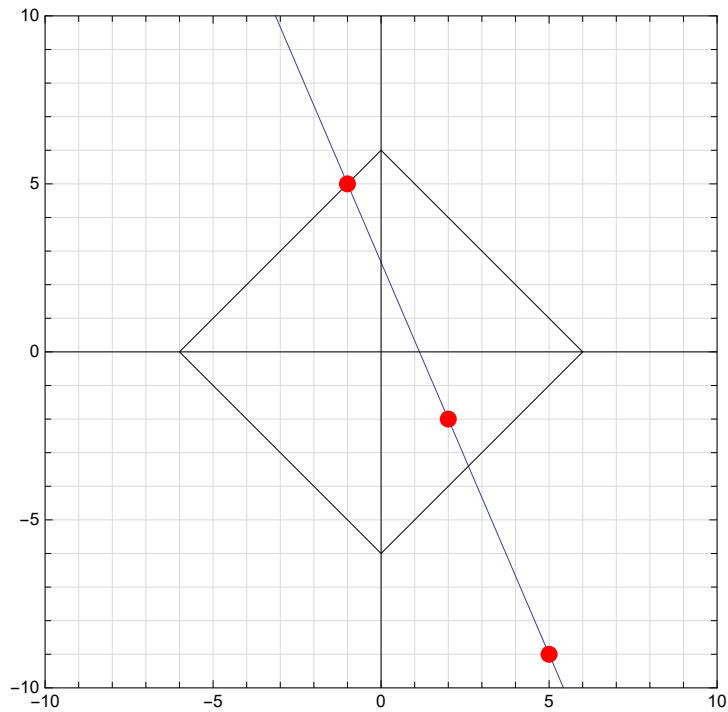
$$|x| + |y| < 7$$

Rešitve:

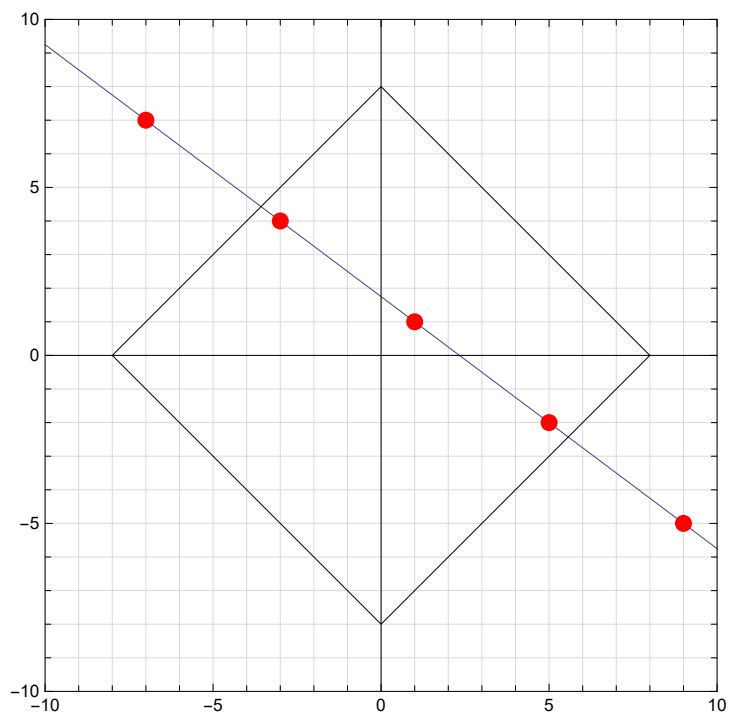
1.

$$7x+3y=8$$

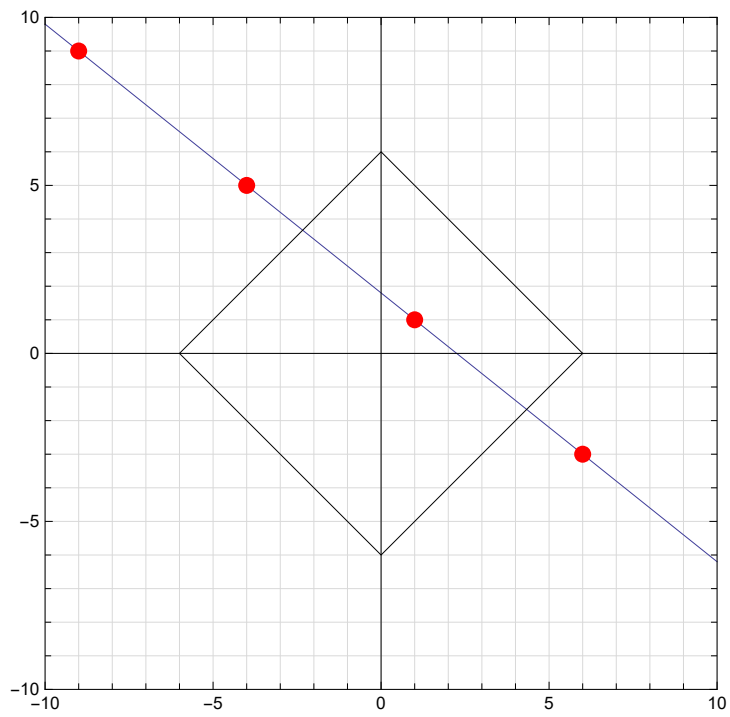
$$|x| + |y| < 6$$



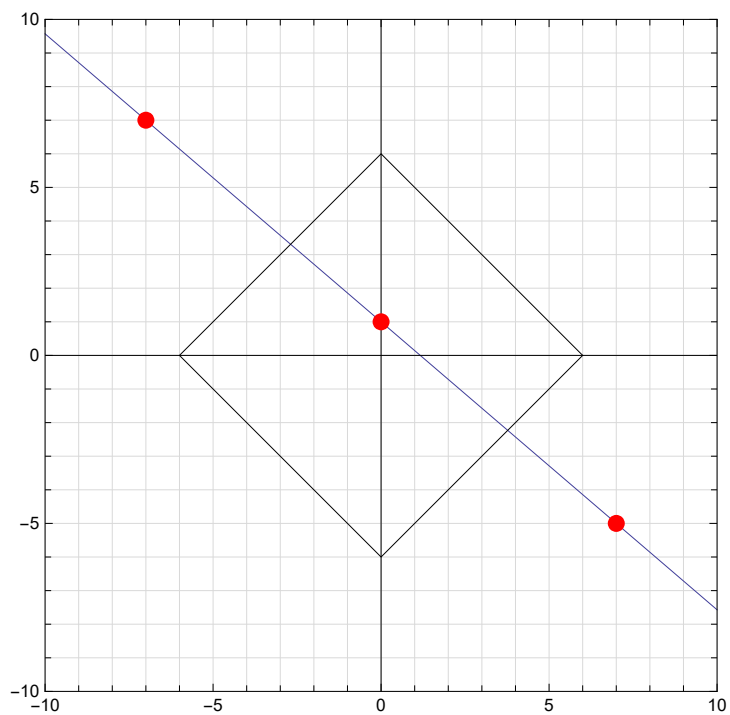
2.  
 $3x+4y=7$   
 $|x|+|y|<8$



3.  
 $4x + 5y = 9$   
 $|x| + |y| < 6$

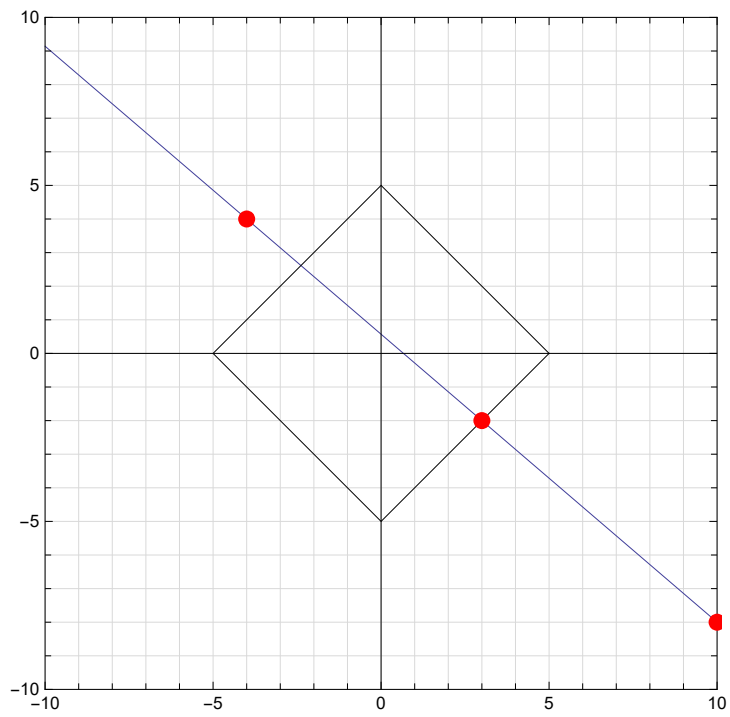


4.  
 $6x + 7y = 7$   
 $|x| + |y| < 6$

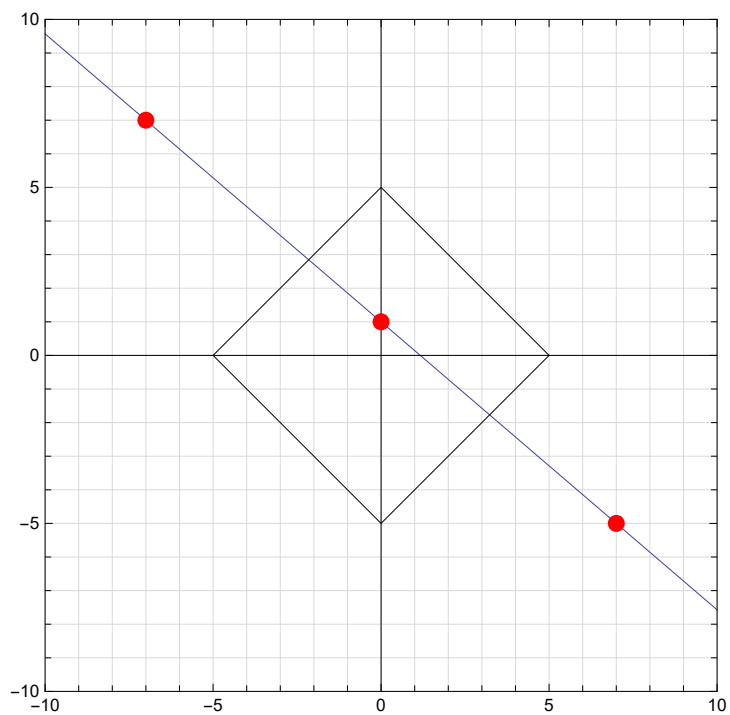




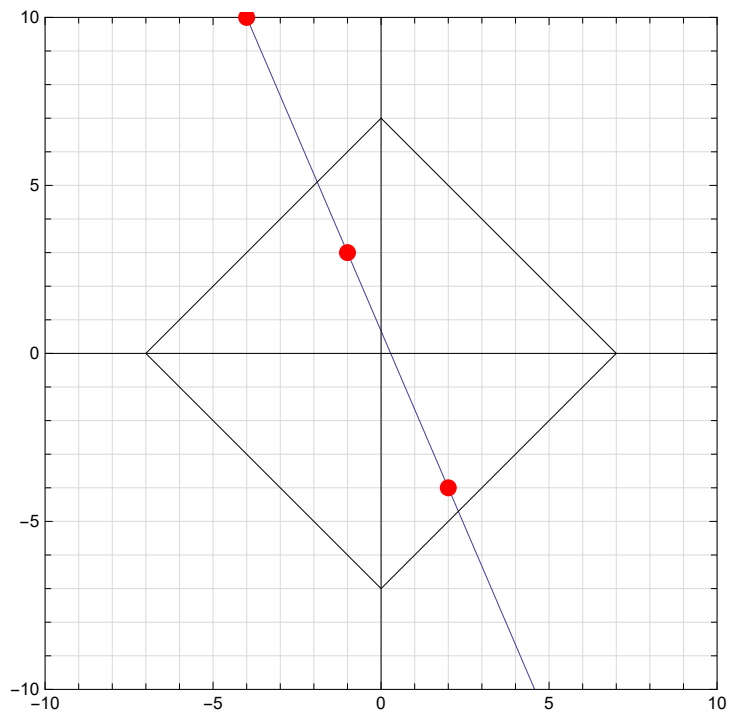
5.  
 $6x+7y=4$   
 $|x|+|y|<5$



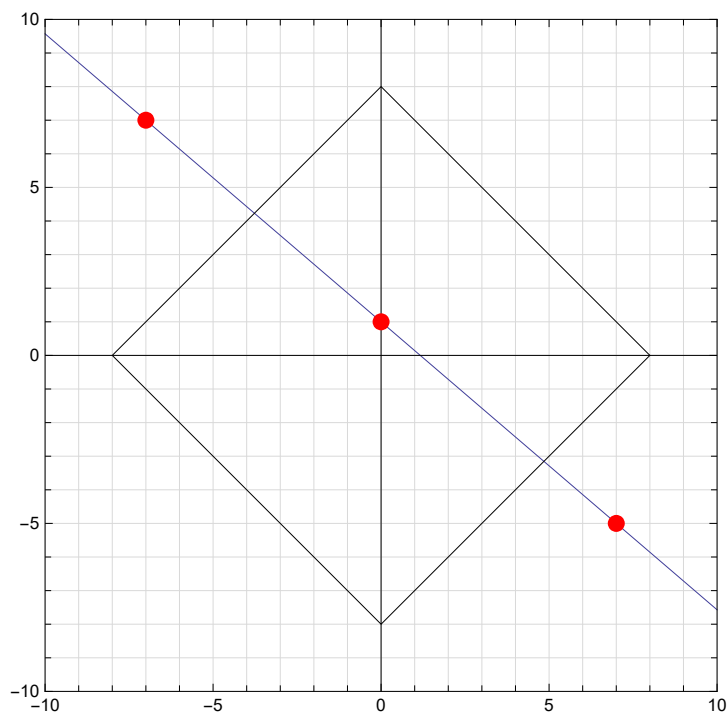
6.  
 $6x+7y=7$   
 $|x|+|y|<5$



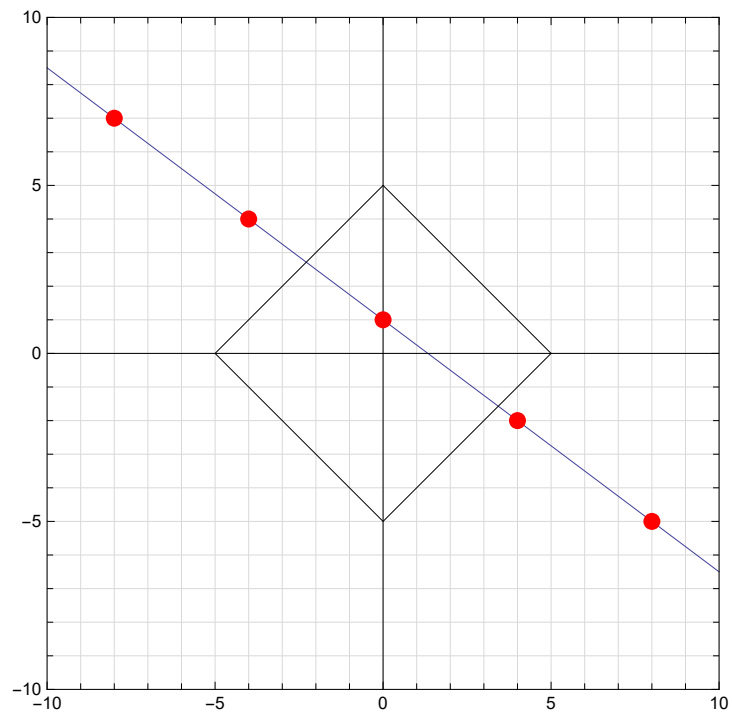
7.  
 $7x + 3y = 2$   
 $|x| + |y| < 7$



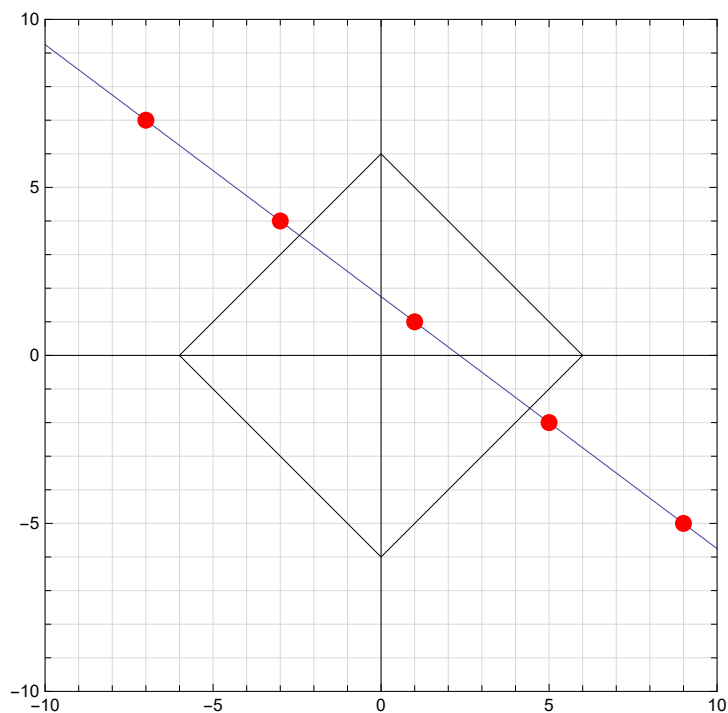
8.  
 $6x + 7y = 7$   
 $|x| + |y| < 8$



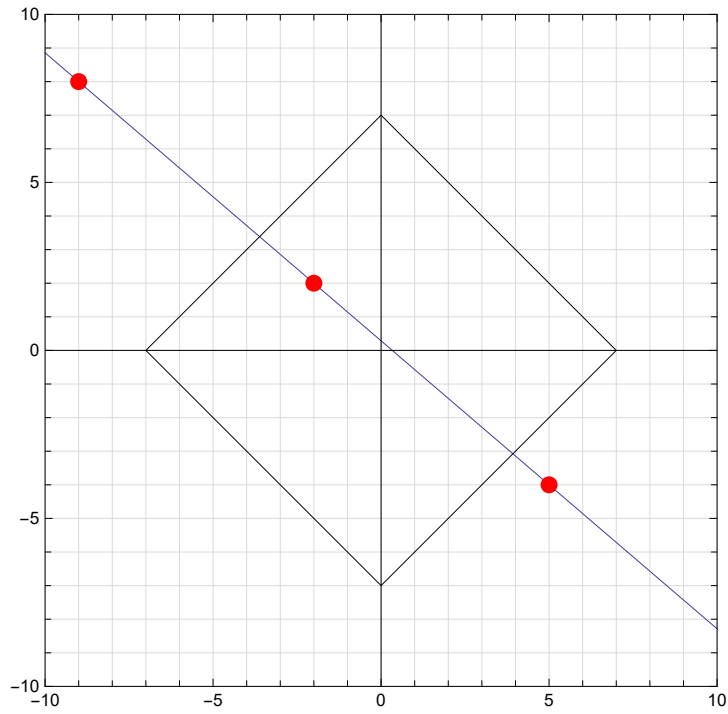
9.  
 $3x+4y=4$   
 $|x|+|y|<5$



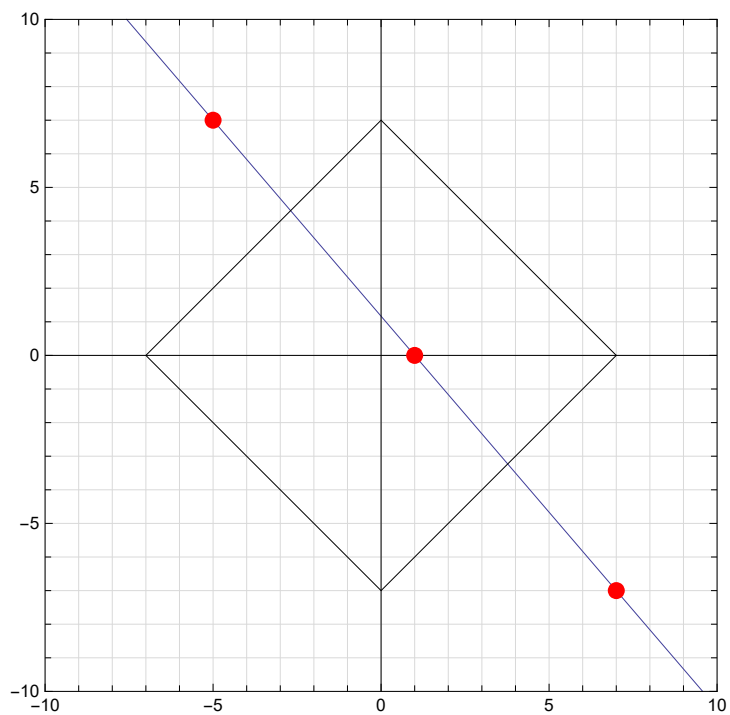
10.  
 $3x+4y=7$   
 $|x|+|y|<6$



**11.**  
 $6x+7y=2$   
 $|x|+|y|<7$



12.  
 $7x+6y=7$   
 $|x|+|y|<7$

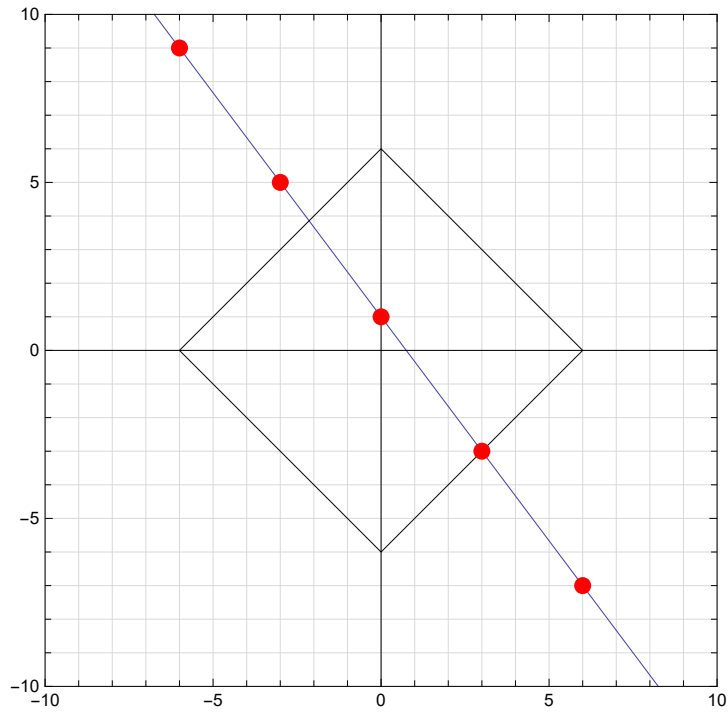




13.

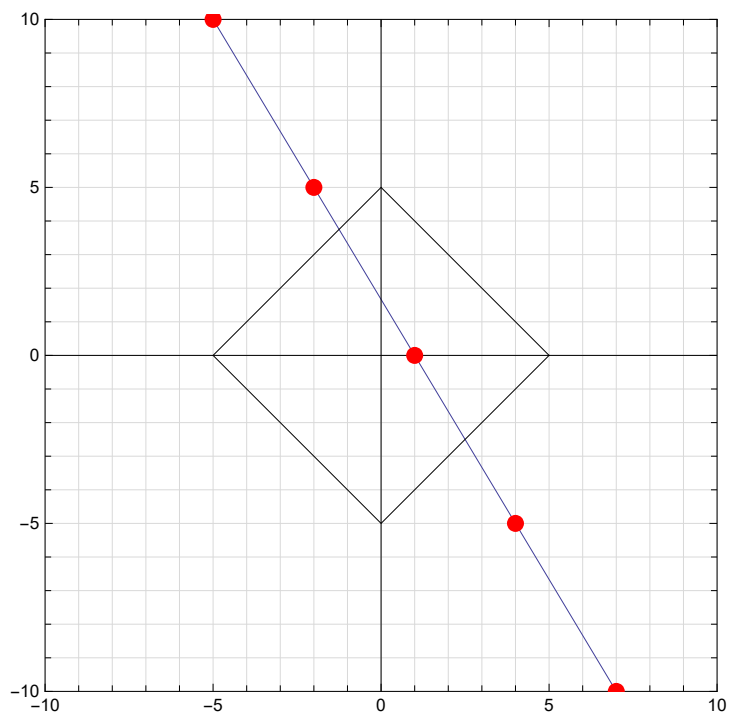
$$4x + 3y = 3$$

$$|x| + |y| < 6$$



14.

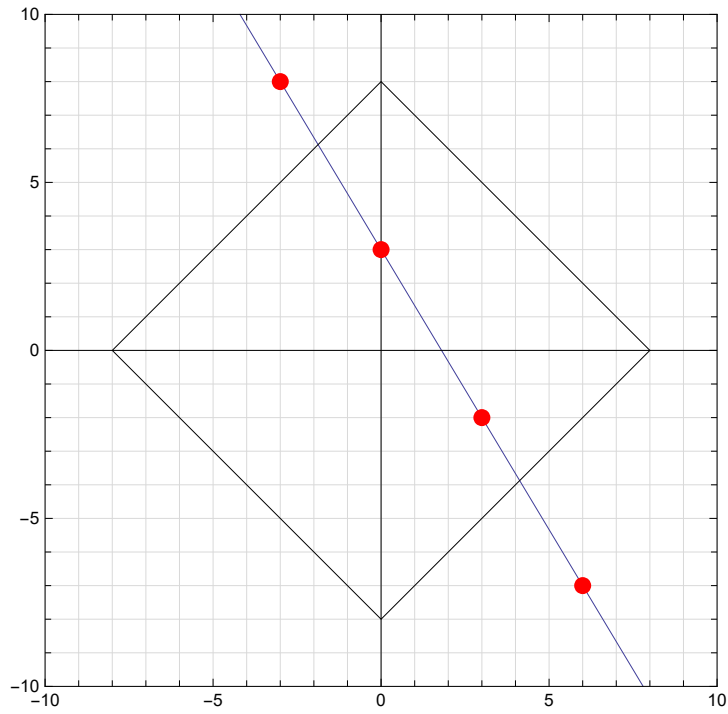
$$5x + 3y = 5$$
$$|x| + |y| < 5$$



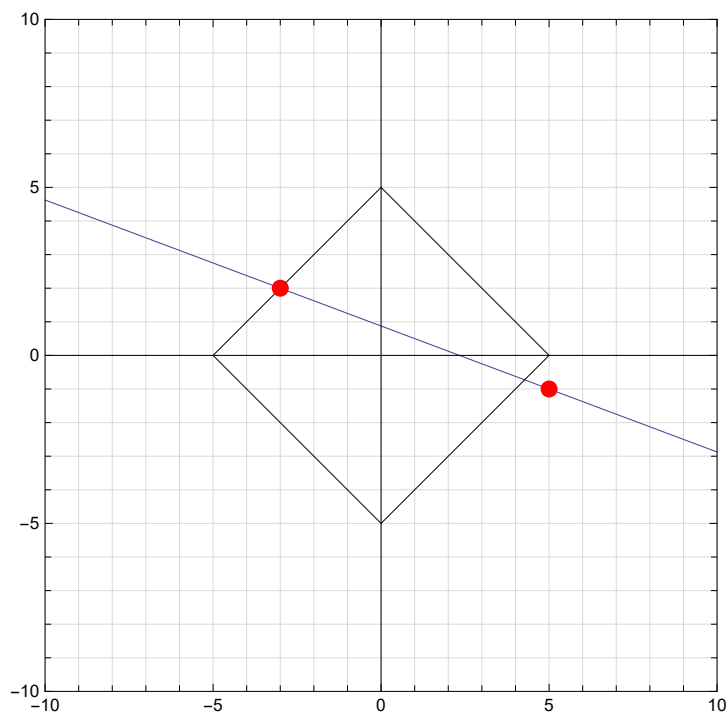
15.

$$5x + 3y = 9$$

$$|x| + |y| < 8$$



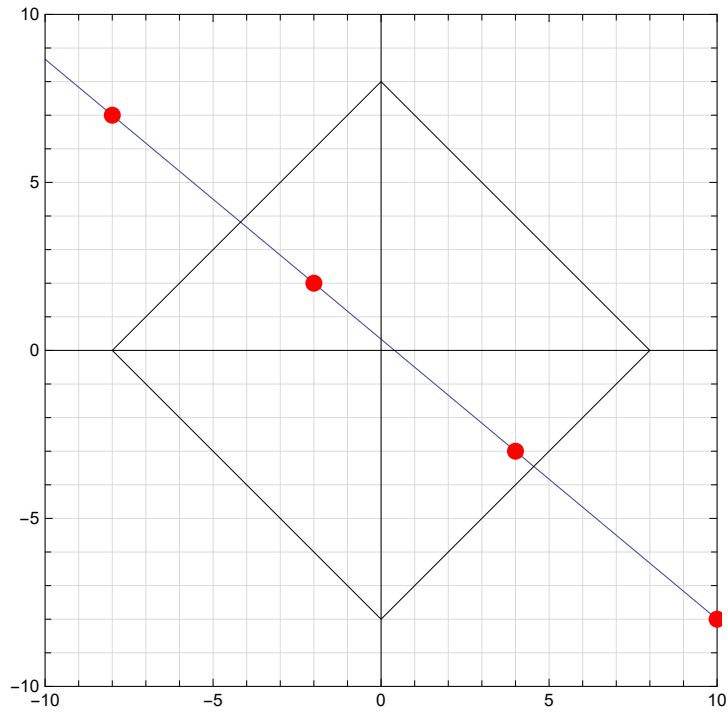
16.  
 $3x+8y=7$   
 $|x|+|y|<5$



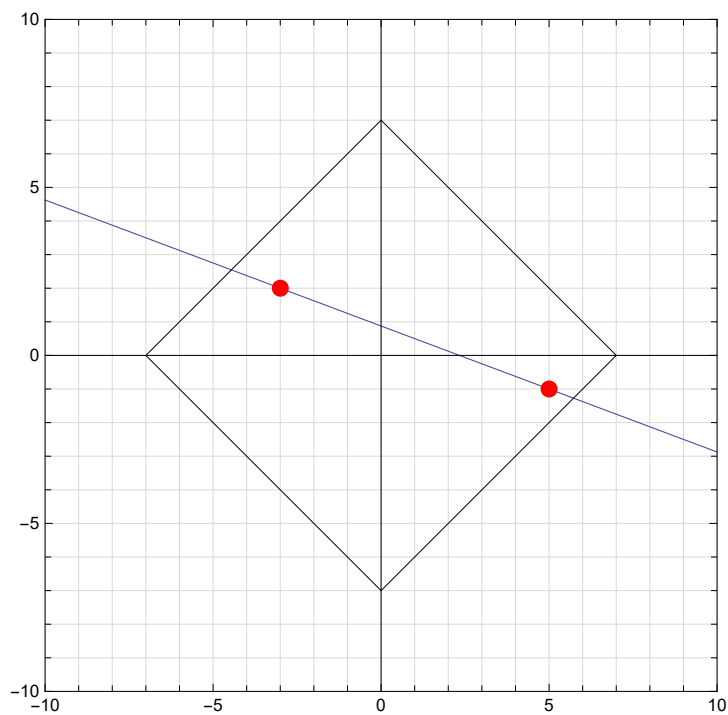
17.

$$5x + 6y = 2$$

$$|x| + |y| < 8$$



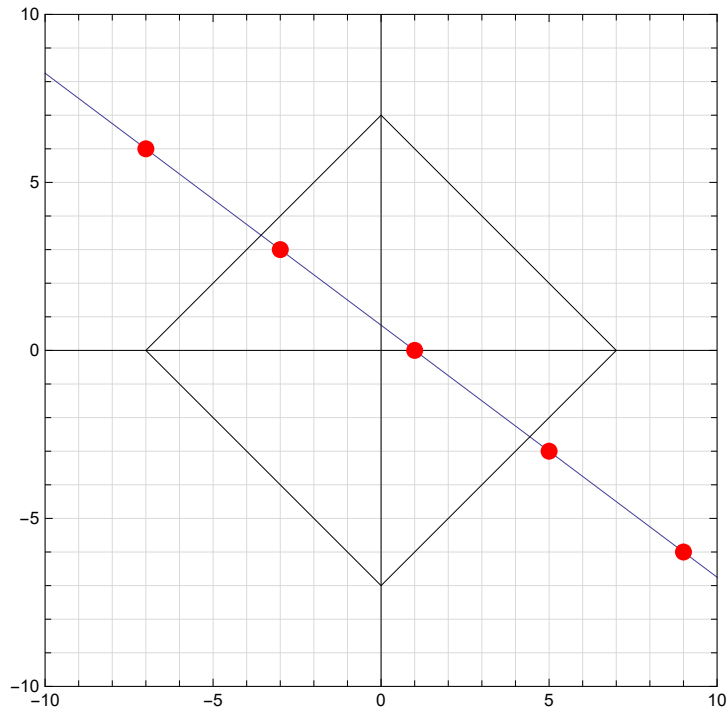
**18.**  
 $3x+8y=7$   
 $|x|+|y|<7$



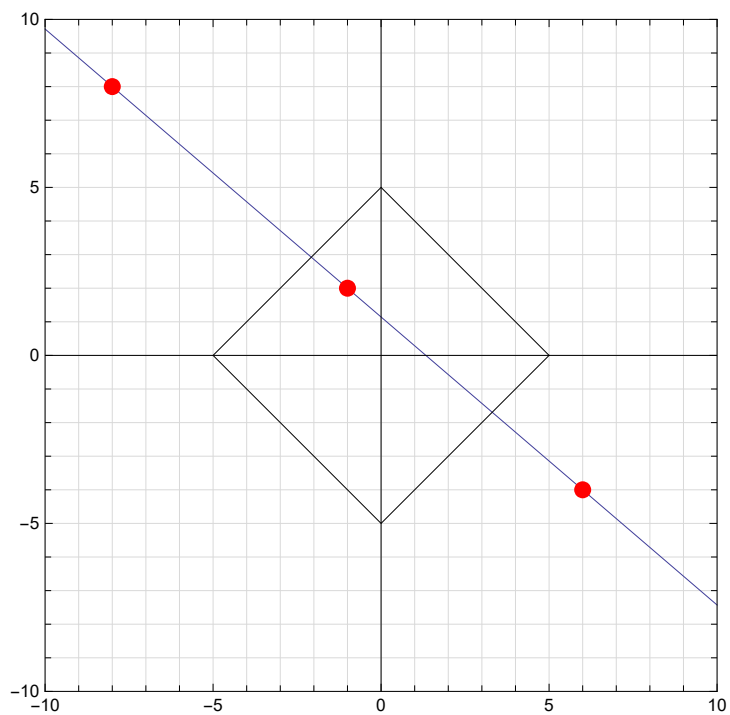
19.

$$3x + 4y = 3$$

$$|x| + |y| < 7$$



20.  
 $6x + 7y = 8$   
 $|x| + |y| < 5$

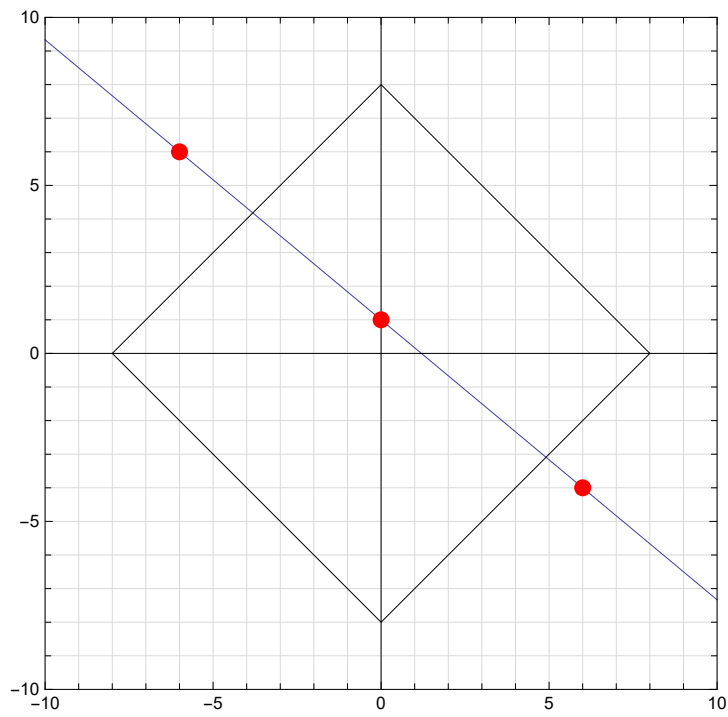




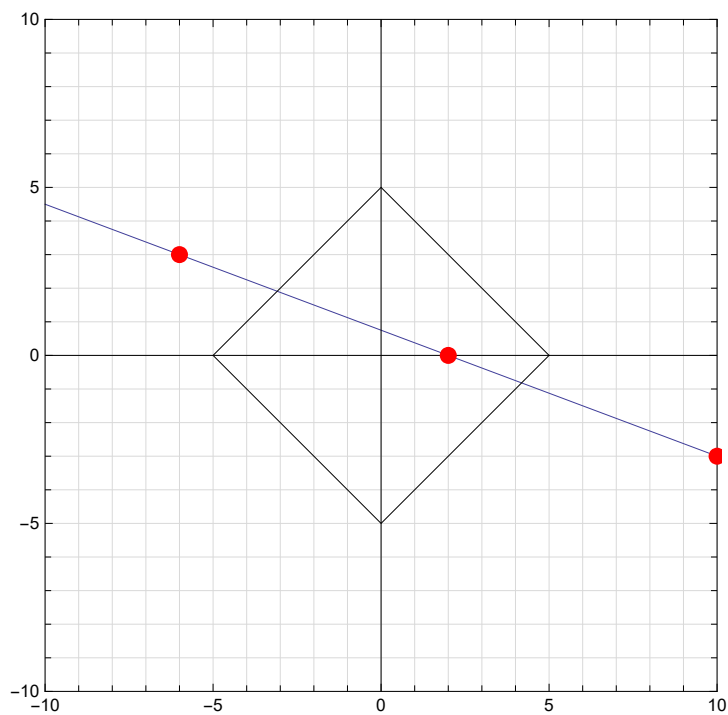
21.

$$5x + 6y = 6$$

$$|x| + |y| < 8$$



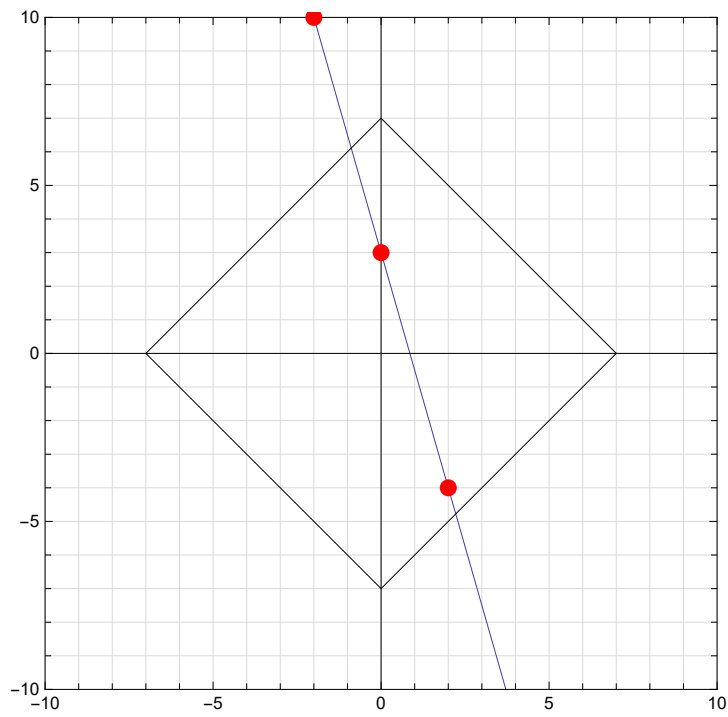
22.  
 $3x+8y=6$   
 $|x|+|y|<5$



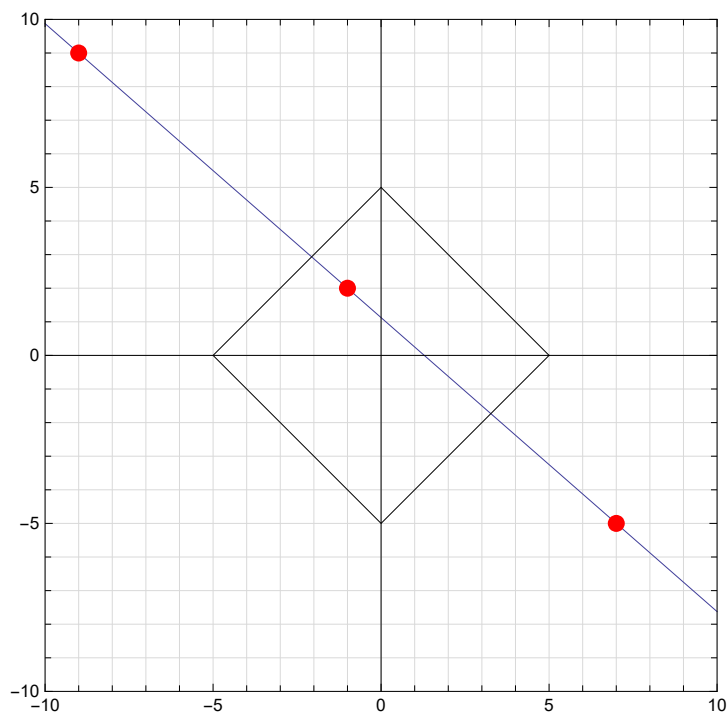
23.

$$7x + 2y = 6$$

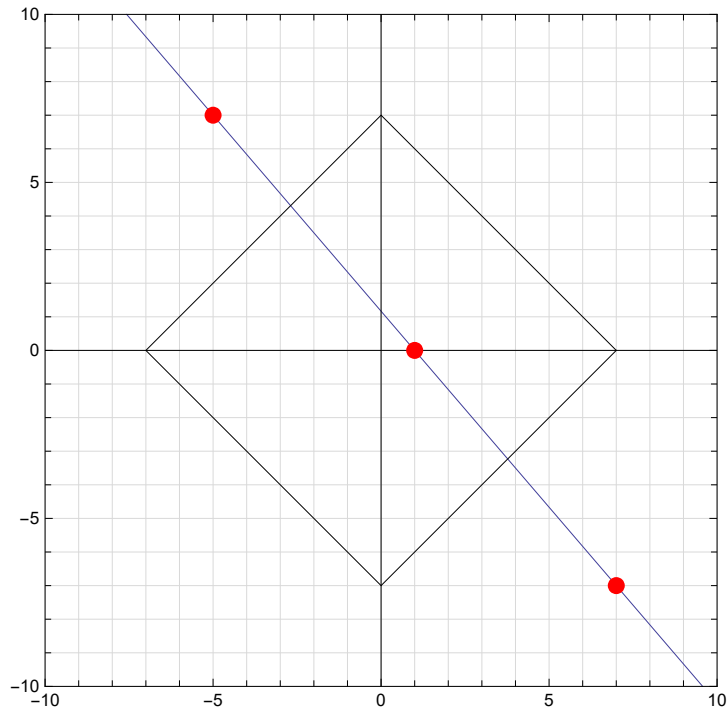
$$|x| + |y| < 7$$



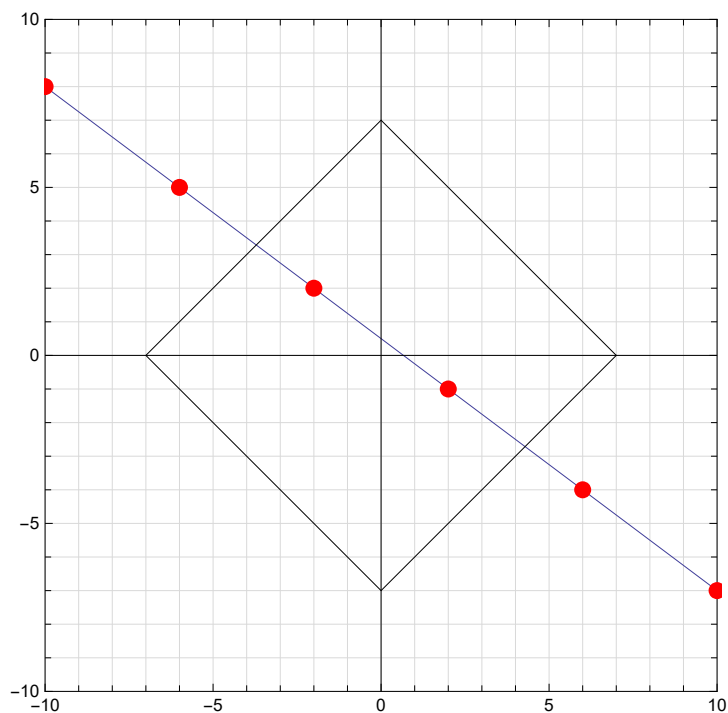
24.  
 $7x + 8y = 9$   
 $|x| + |y| < 5$



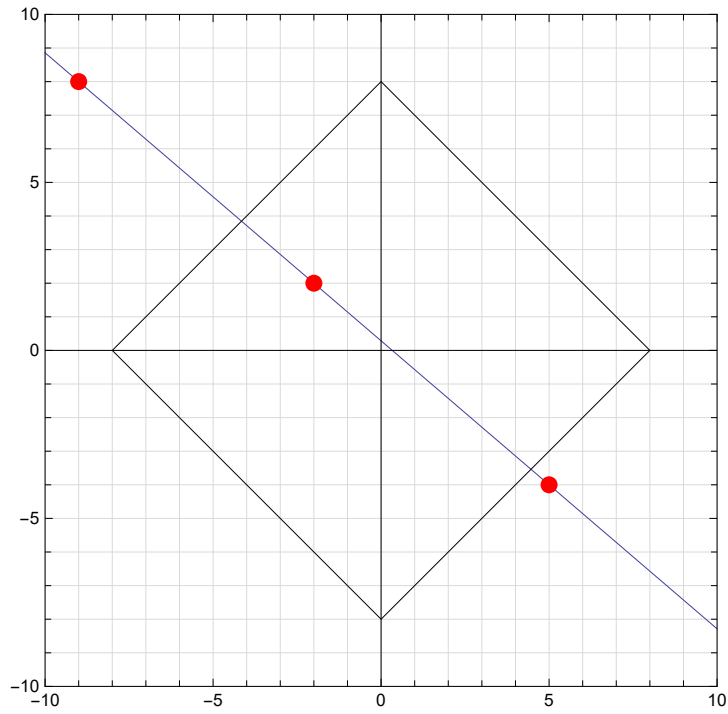
25.  
 $7x+6y=7$   
 $|x|+|y|<7$



26.  
 $3x+4y=2$   
 $|x|+|y|<7$

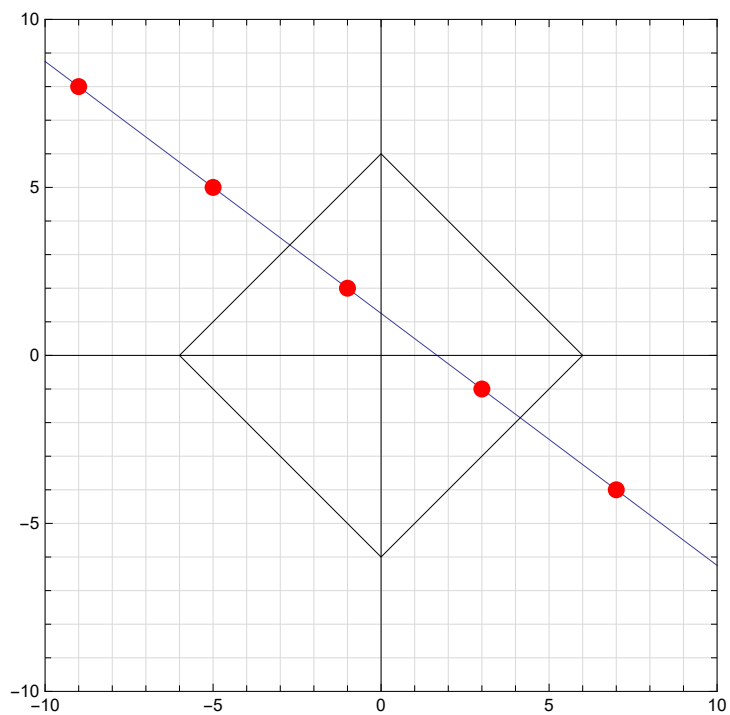


27.  
 $6x + 7y = 2$   
 $|x| + |y| < 8$



28.

$$3x + 4y = 5$$
$$|x| + |y| < 6$$

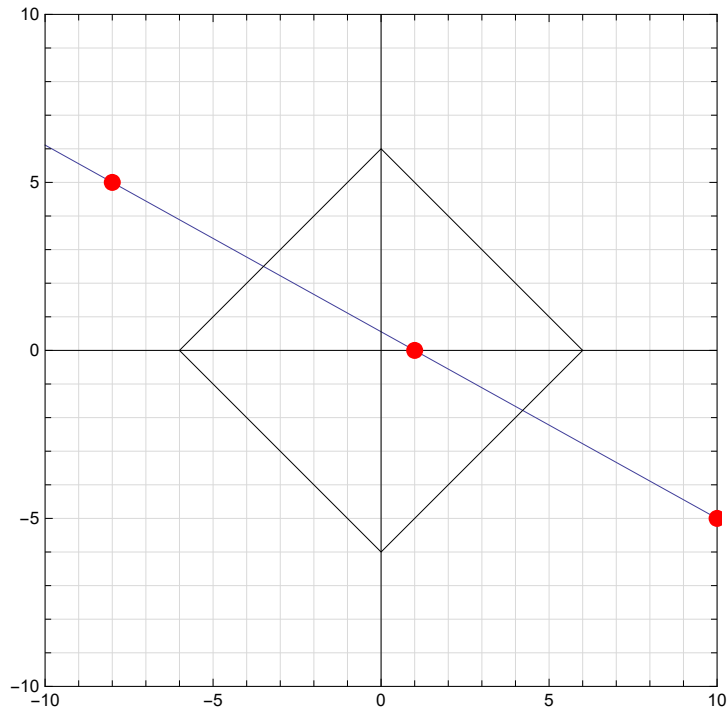




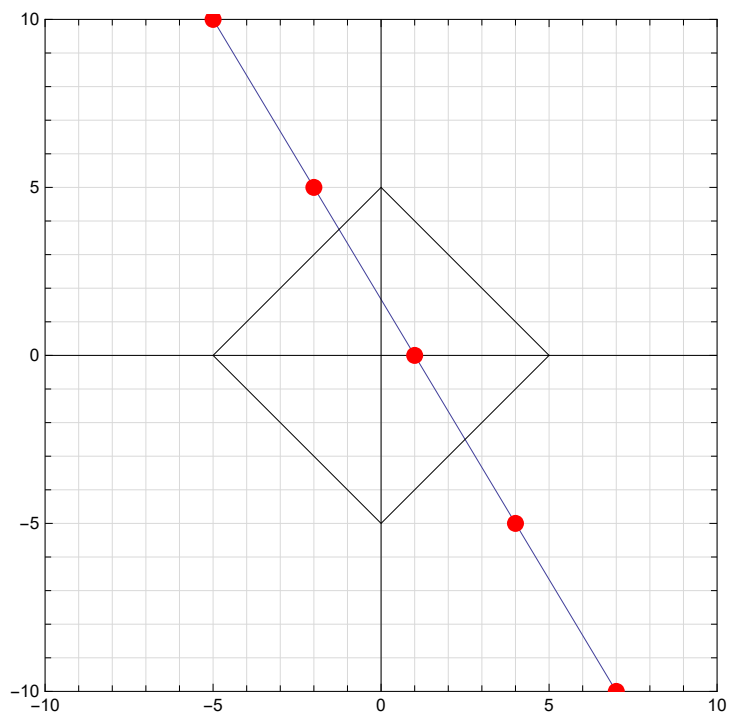
29.

$$5x + 9y = 5$$

$$|x| + |y| < 6$$



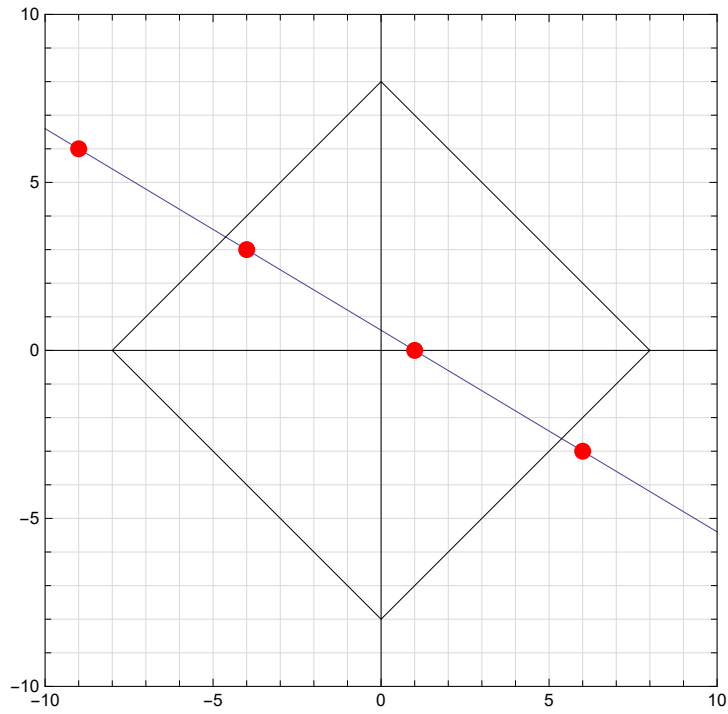
30.  
 $5x + 3y = 5$   
 $|x| + |y| < 5$



31.

$$3x + 5y = 3$$

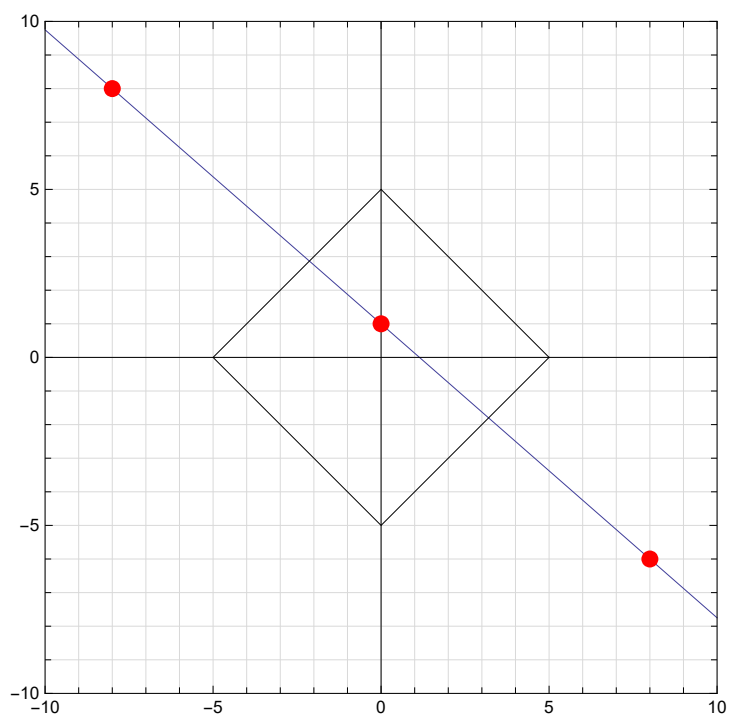
$$|x| + |y| < 8$$



32.

$$7x + 8y = 8$$

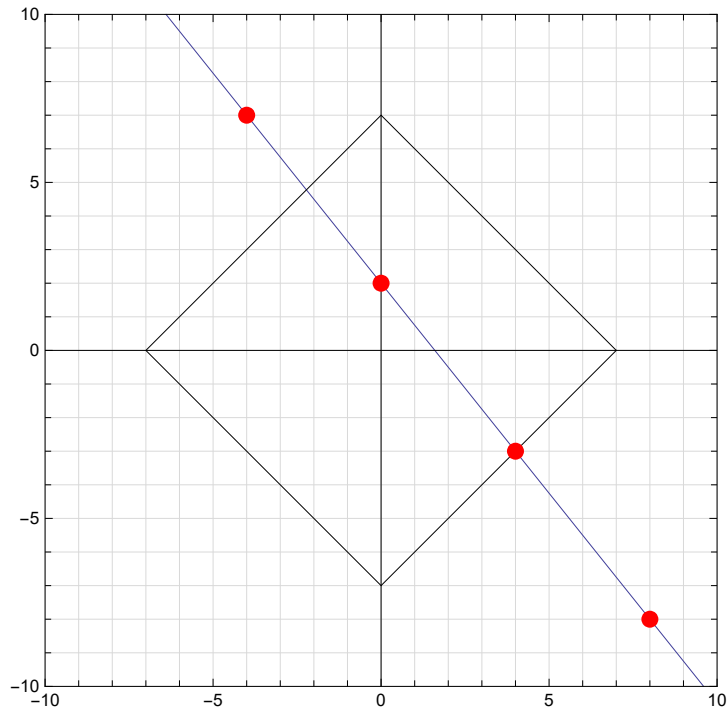
$$|x| + |y| < 5$$



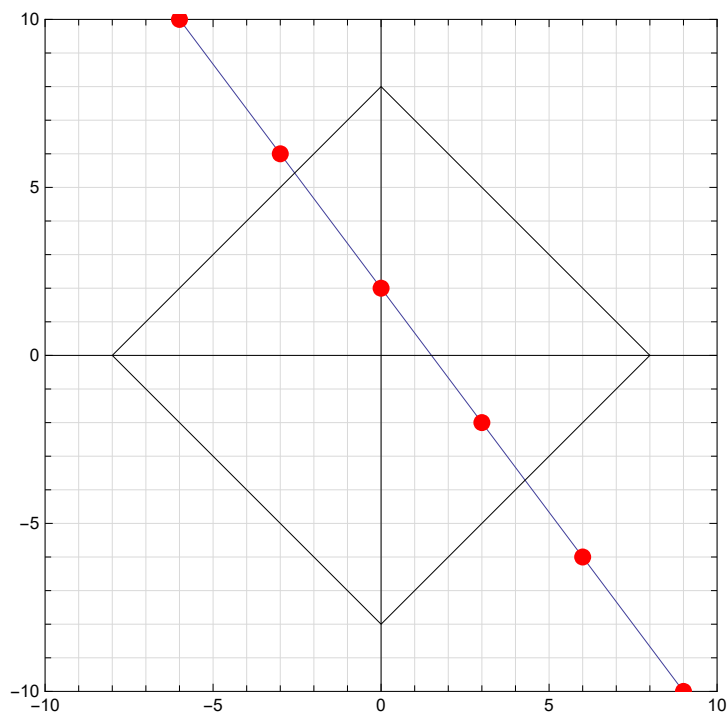
33.

$$5x + 4y = 8$$

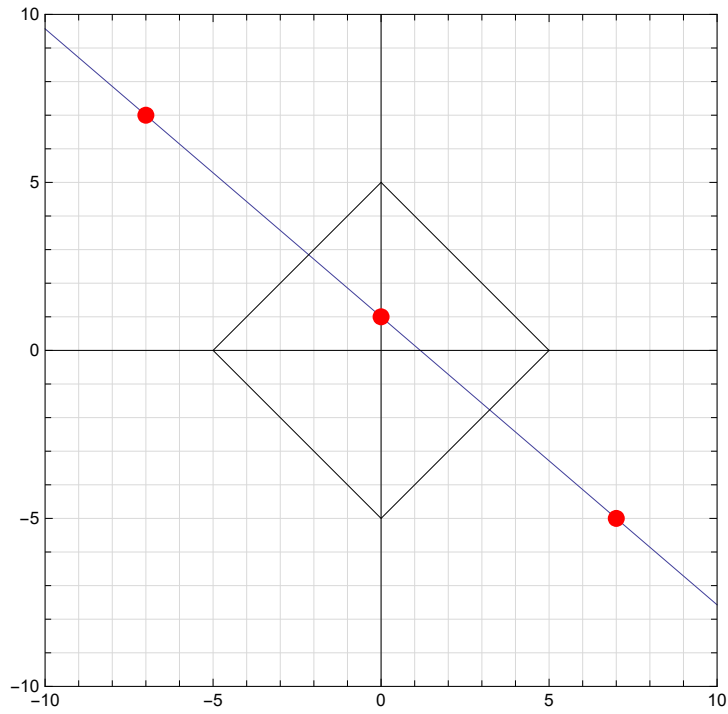
$$|x| + |y| < 7$$



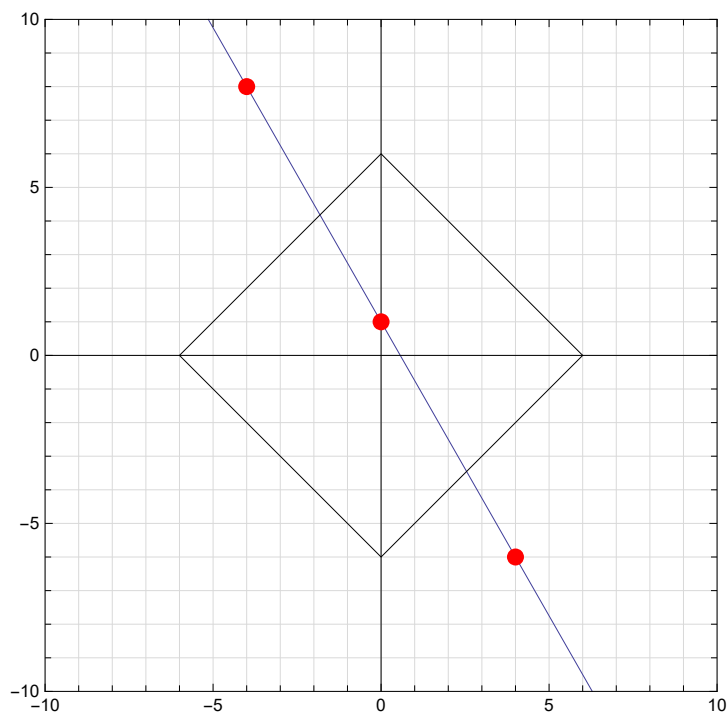
34.  
 $4x + 3y = 6$   
 $|x| + |y| < 8$



35.  
 $6x+7y=7$   
 $|x|+|y|<5$



36.  
 $7x + 4y = 4$   
 $|x| + |y| < 6$

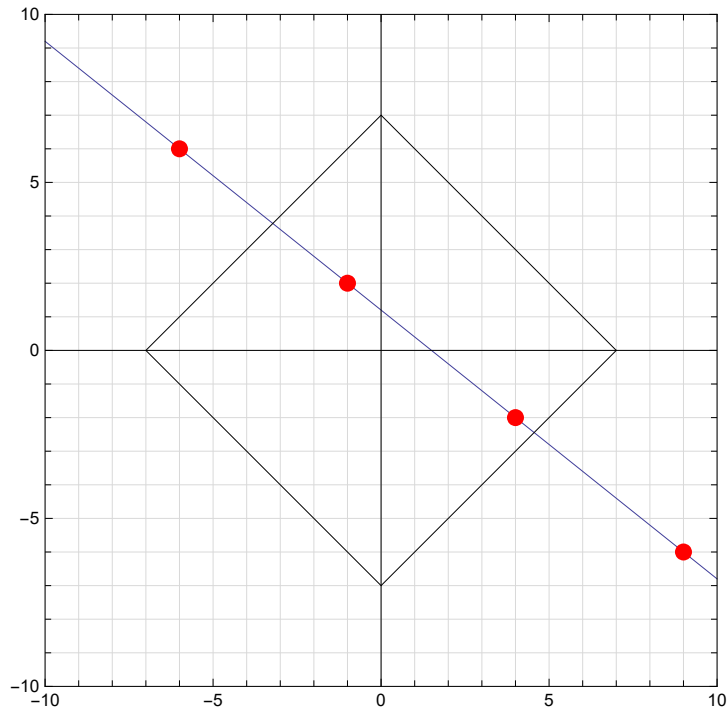




37.

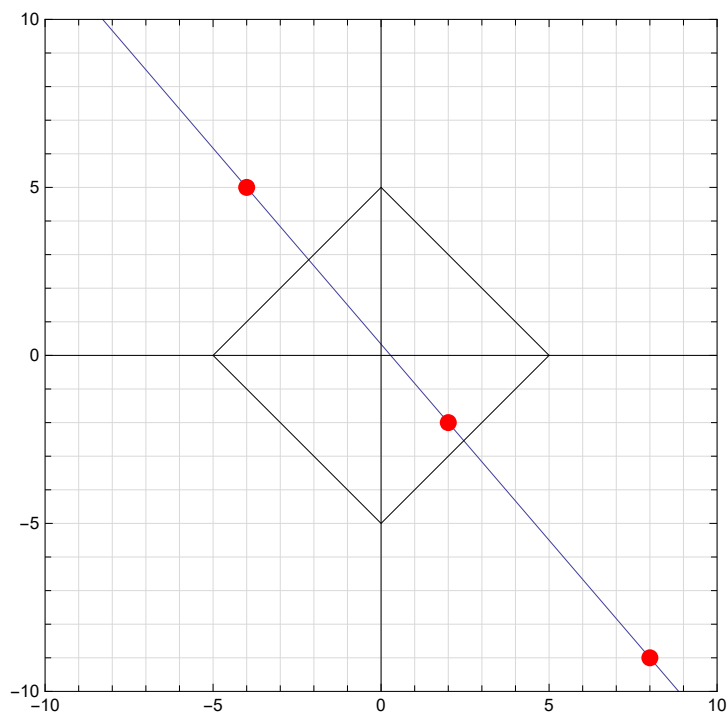
$$4x + 5y = 6$$

$$|x| + |y| < 7$$



38.

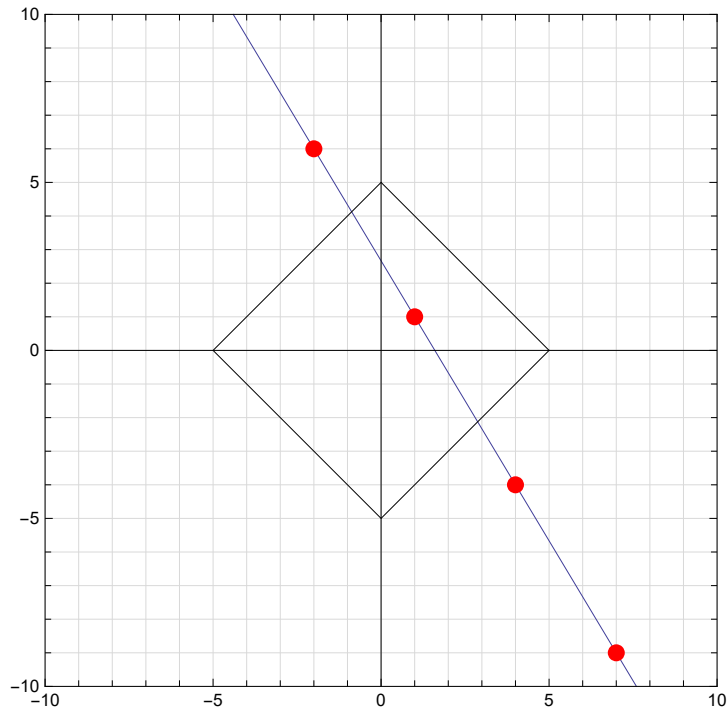
$$7x + 6y = 2$$
$$|x| + |y| < 5$$



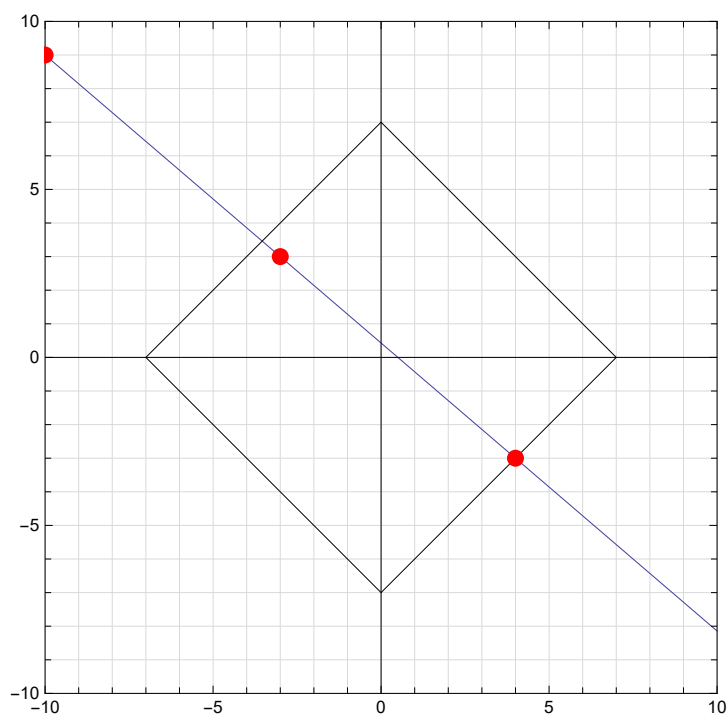
39.

$$5x + 3y = 8$$

$$|x| + |y| < 5$$



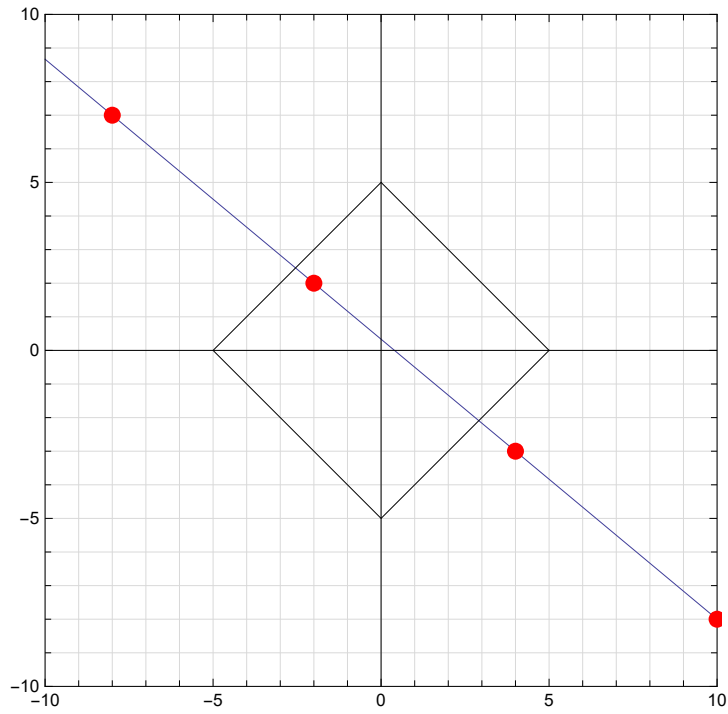
40.  
 $6x + 7y = 3$   
 $|x| + |y| < 7$



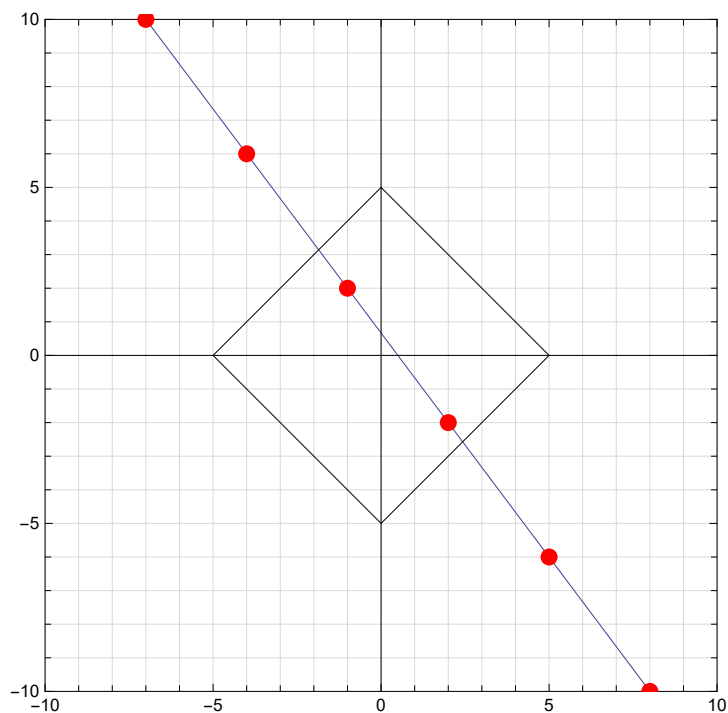
41.

$$5x + 6y = 2$$

$$|x| + |y| < 5$$



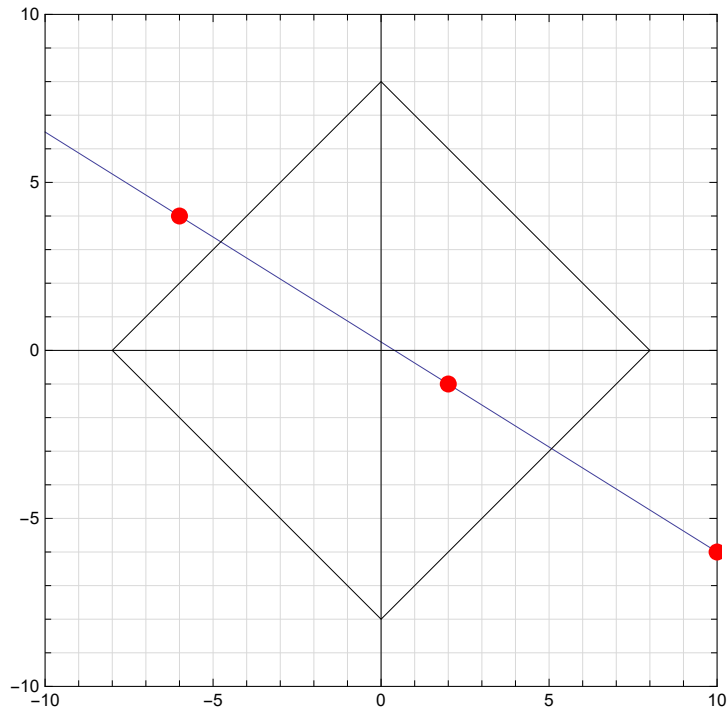
42.  
 $4x + 3y = 2$   
 $|x| + |y| < 5$



43.

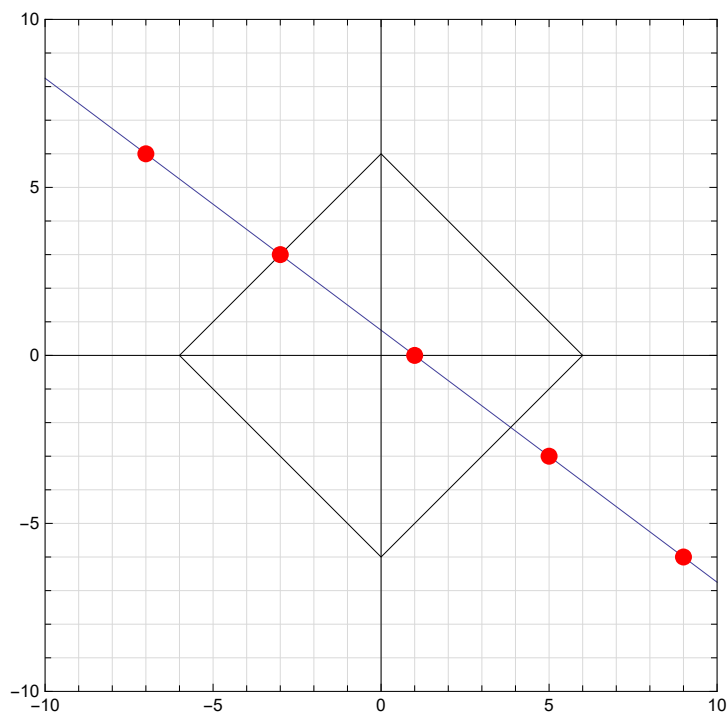
$$5x + 8y = 2$$

$$|x| + |y| < 8$$



44.

$$3x + 4y = 3$$
$$|x| + |y| < 6$$

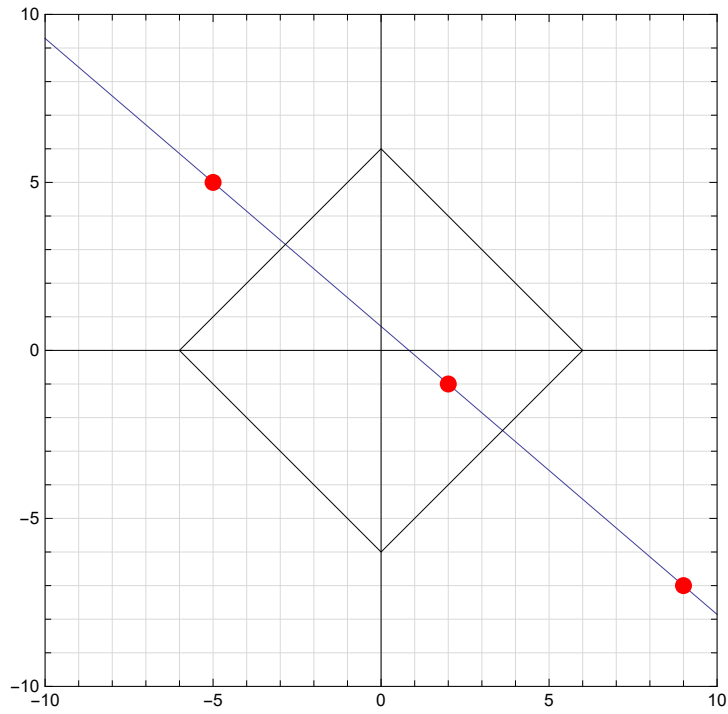




45.

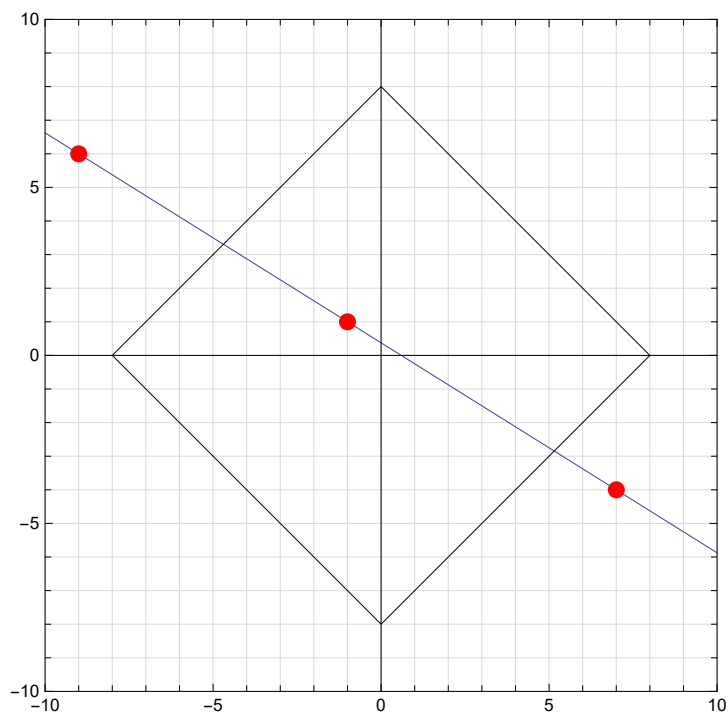
$$6x + 7y = 5$$

$$|x| + |y| < 6$$



46.

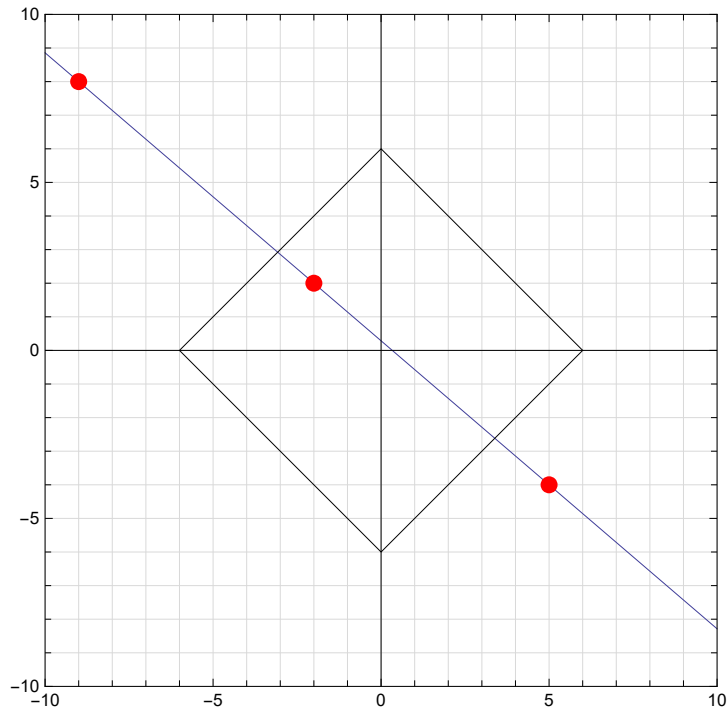
$$5x + 8y = 3$$
$$|x| + |y| < 8$$



47.

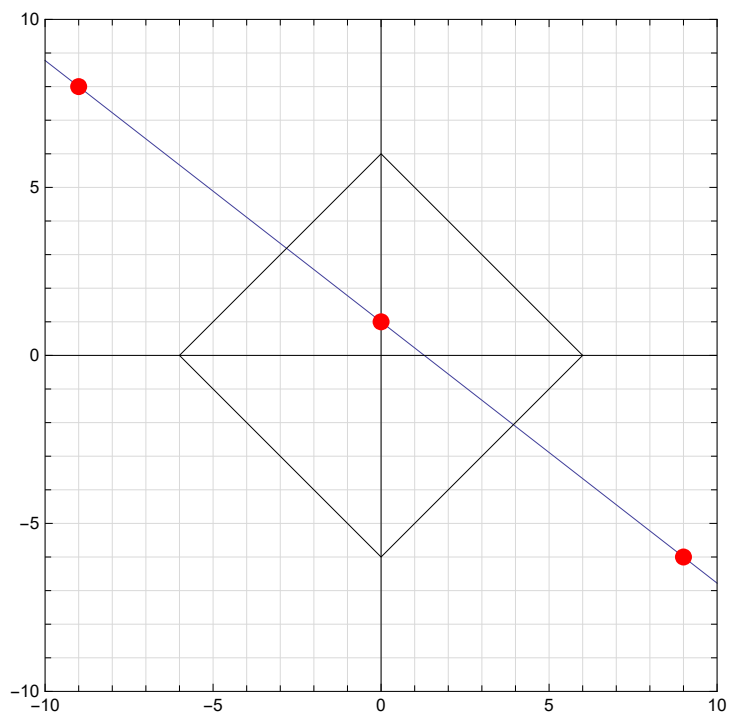
$$6x + 7y = 2$$

$$|x| + |y| < 6$$



48.

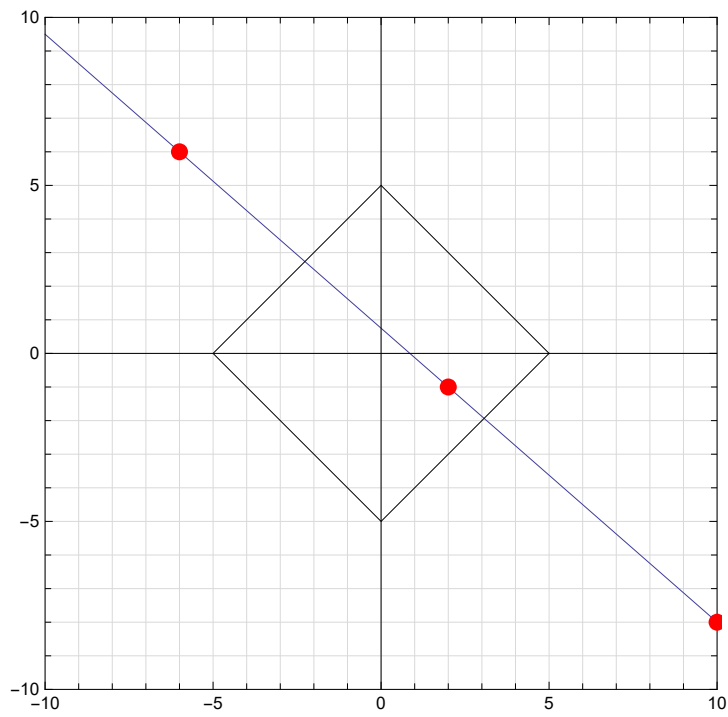
$$7x + 9y = 9$$
$$|x| + |y| < 6$$



49.

$$7x + 8y = 6$$

$$|x| + |y| < 5$$



50.  
 $4x + 7y = 4$   
 $|x| + |y| < 7$

