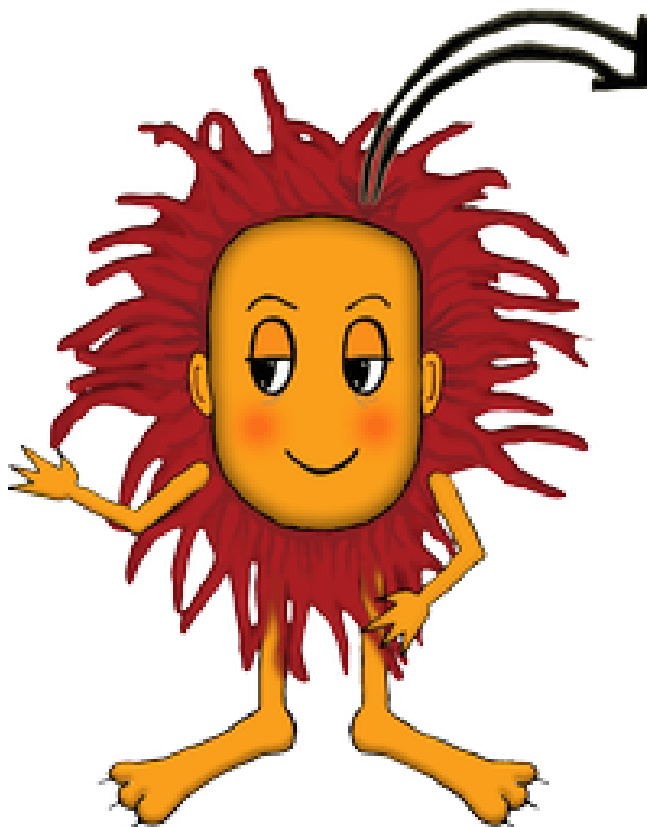


Velika logična pošast



Diofantska enačba s pogojem

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

1.
 $5x+3y=5$
 $|x| + |y| < 7$

2.

$$4x+5y=3$$
$$|x| + |y| < 8$$

3.

$$3x+2y=5$$
$$|x| + |y| < 6$$

4.

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

5.

$$7x+9y=8$$
$$|x| + |y| < 6$$

6.

$$3x+10y=4$$
$$|x| + |y| < 8$$

7.

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

8.

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

9.

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

10.

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

11.

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

12.

$$6x+7y=4$$
$$|x| + |y| < 8$$

13.

$$5x+2y=9$$
$$|x| + |y| < 5$$

14.

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

15.

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

16.

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

17.

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

18.

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

19.

$$5x+4y=3$$
$$|x| + |y| < 7$$

20.

$$4x+5y=3$$
$$|x| + |y| < 7$$

21.

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

22.

$$4x+5y=2$$
$$|x| + |y| < 6$$

23.

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

24.

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

25.

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

26.

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

27.

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

28.

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

29.

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

30.

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

31.

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

32.

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

33.

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

34.

$$5x+4y=9$$
$$|x| + |y| < 7$$

35.

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

36.

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

37.

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

38.

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

39.

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

40.

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

41.

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

42.

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

43.

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

44.

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

45.

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

46.

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

47.

$$3x+4y=9$$

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

48.

$$6x+7y=8$$

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

49.

$$7x+8y=9$$

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

50.

$$5x+7y=8$$

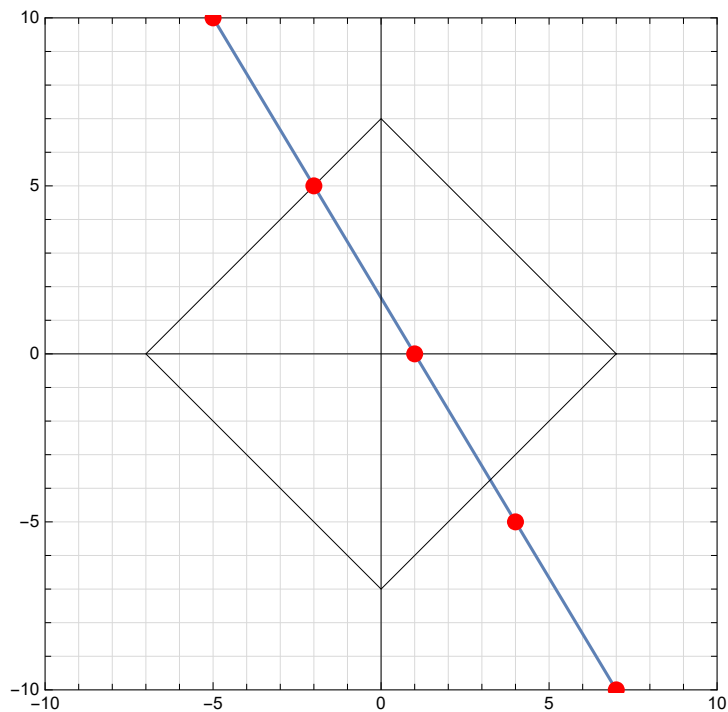
$$|x| + |y| < 5$$

Rešitve:

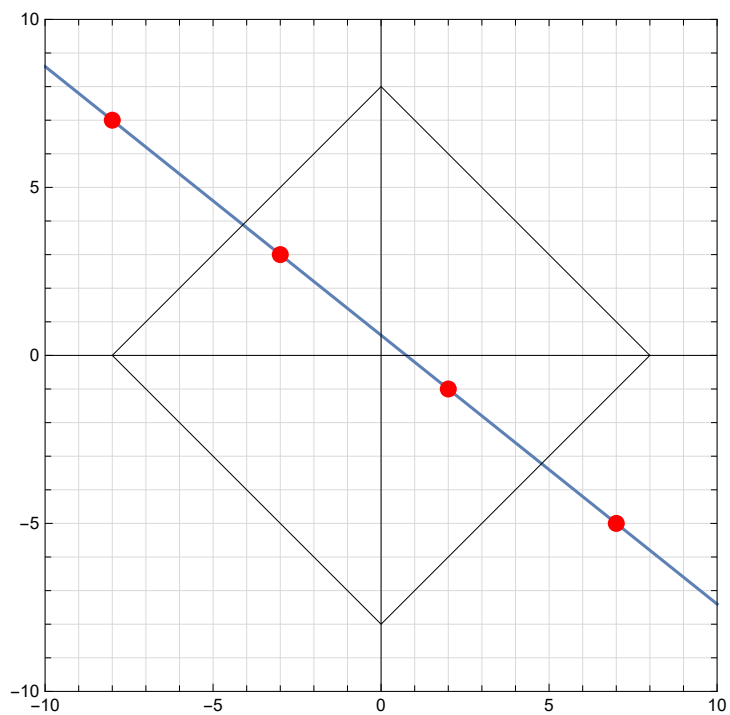
1.

$$5x+3y=5$$

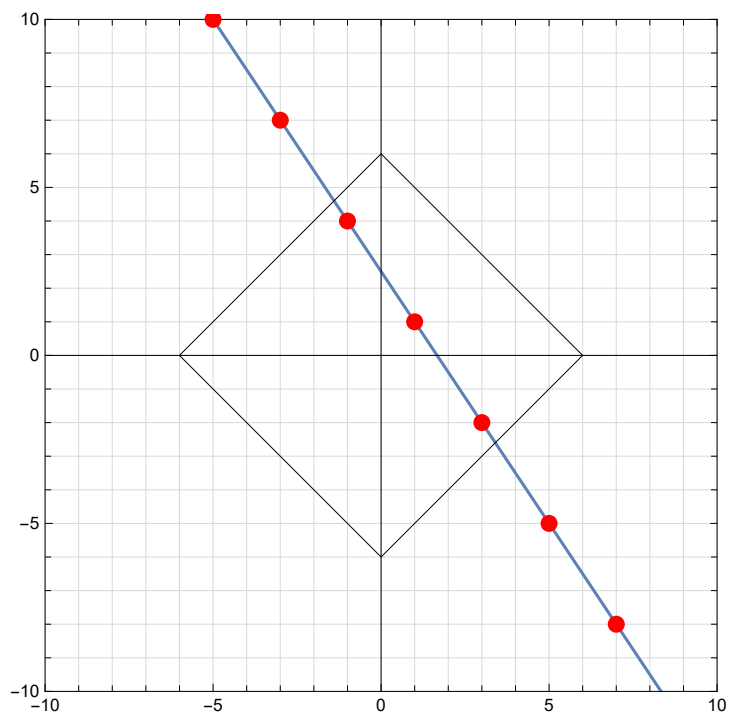
$$|x| + |y| < 7$$



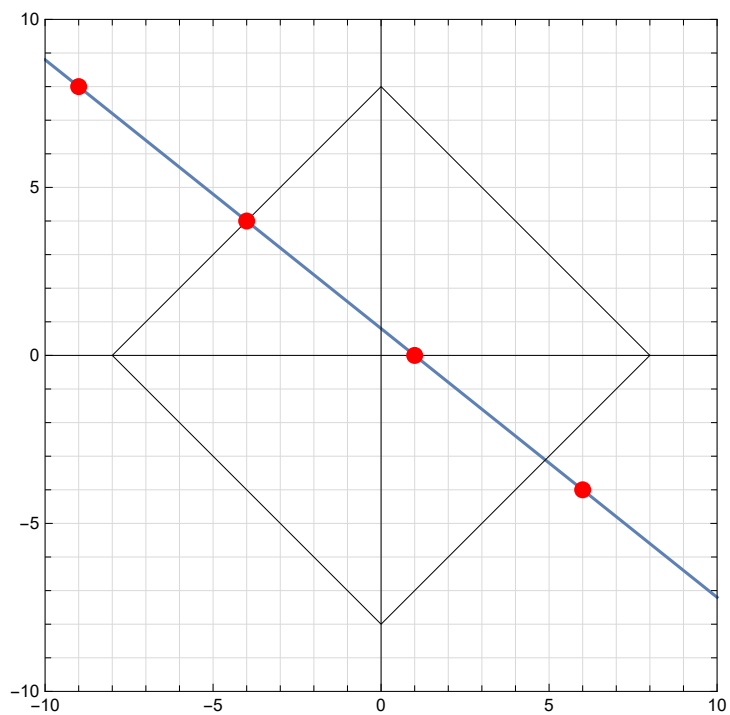
2.
 $4x + 5y = 3$
 $|x| + |y| < 8$



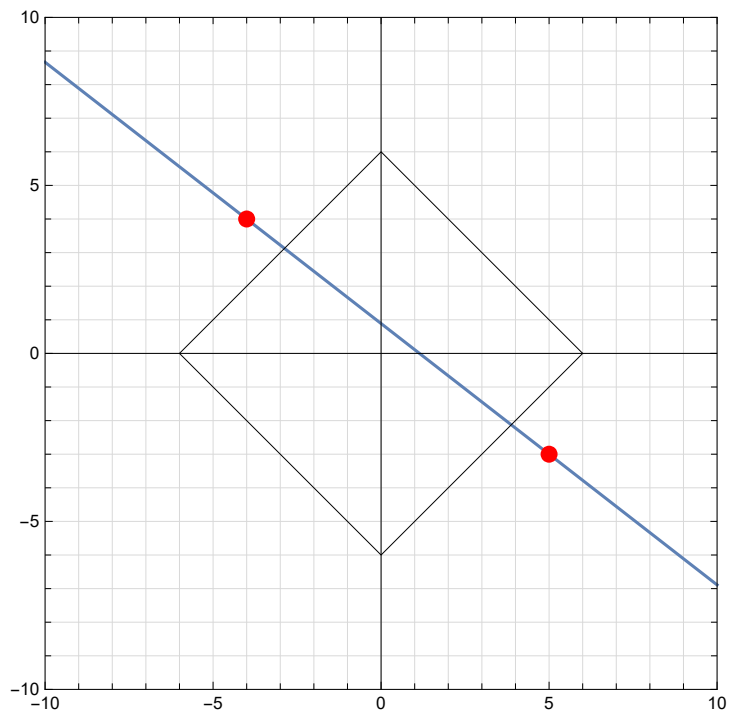
3.
 $3x+2y=5$
 $|x|+|y|<6$



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



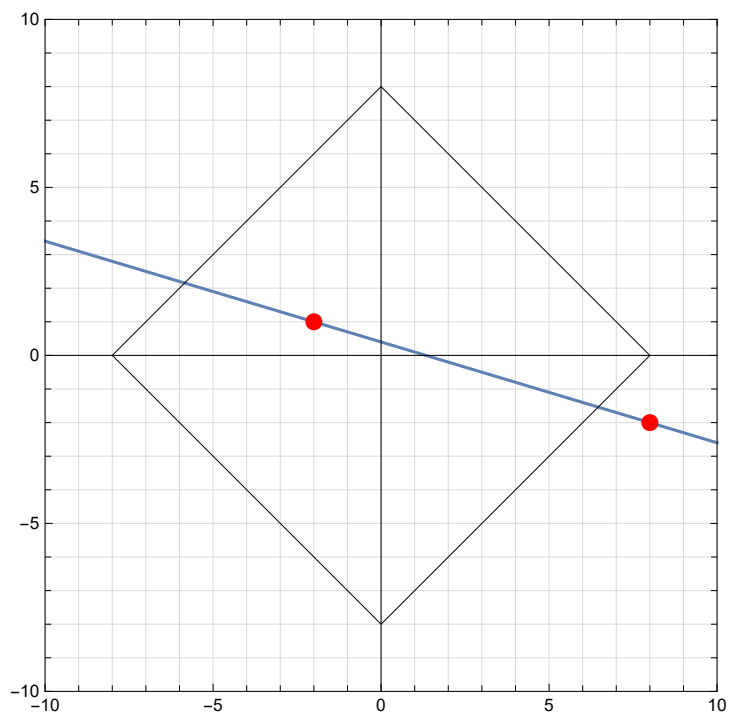
5.
 $7x+9y=8$
 $|x|+|y|<6$



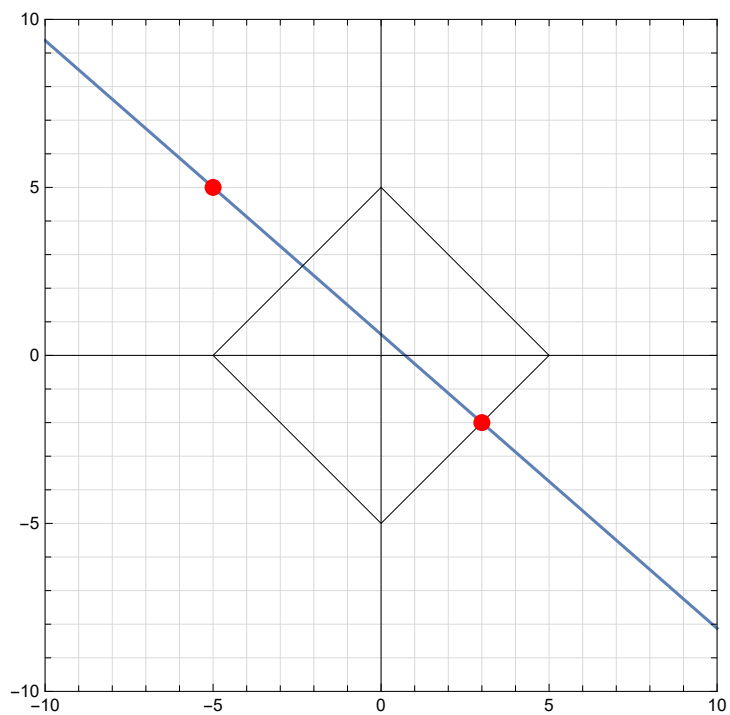
6.

$$3x + 10y = 4$$

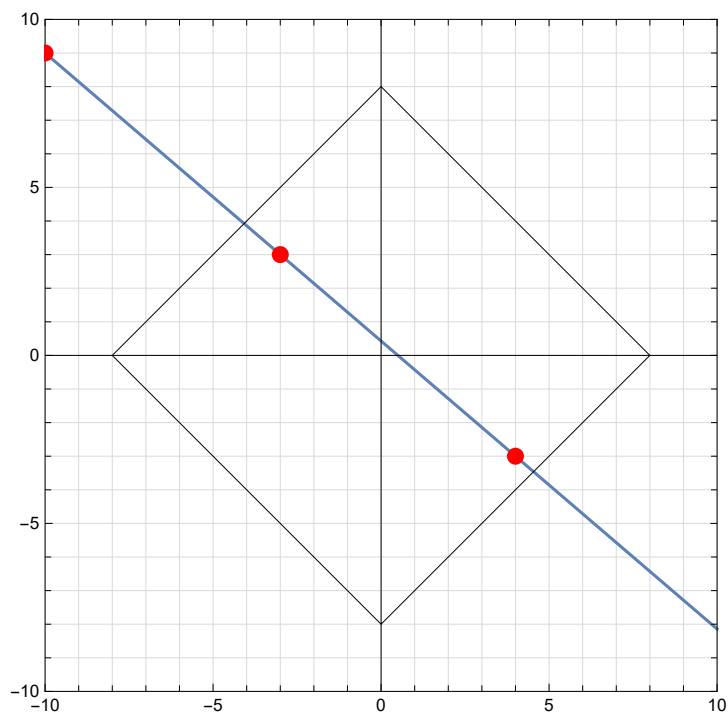
$$|x| + |y| < 8$$



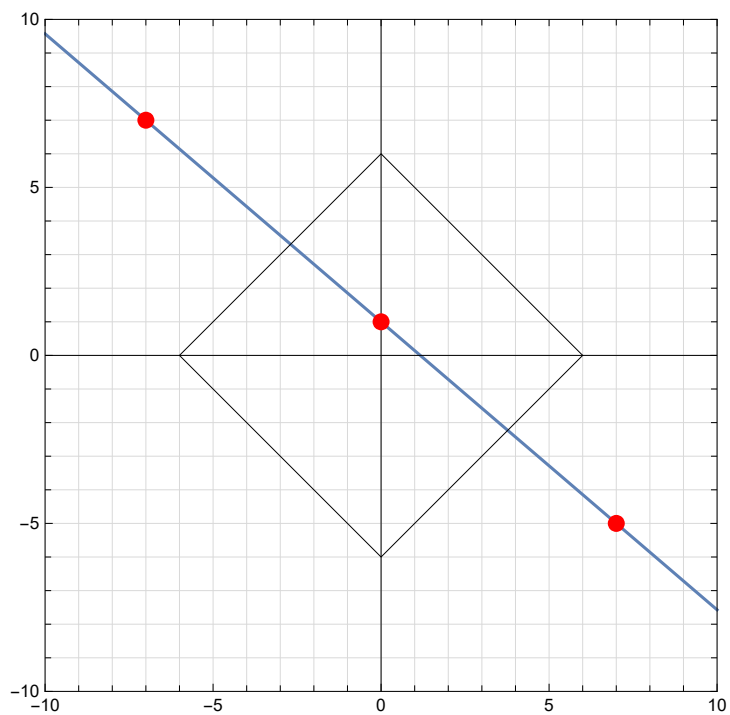
7.
 $7x + 8y = 5$
 $|x| + |y| < 5$



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



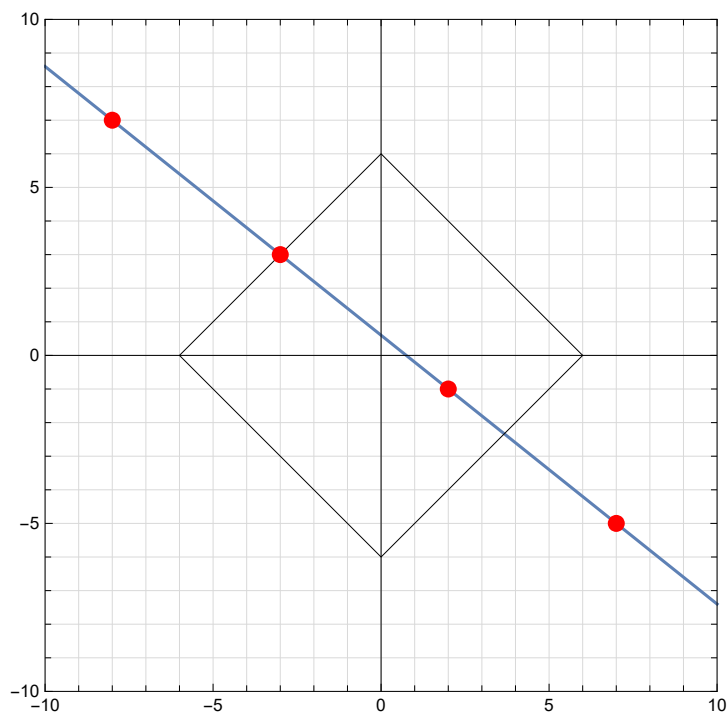
9.
 $6x + 7y = 7$
 $|x| + |y| < 6$



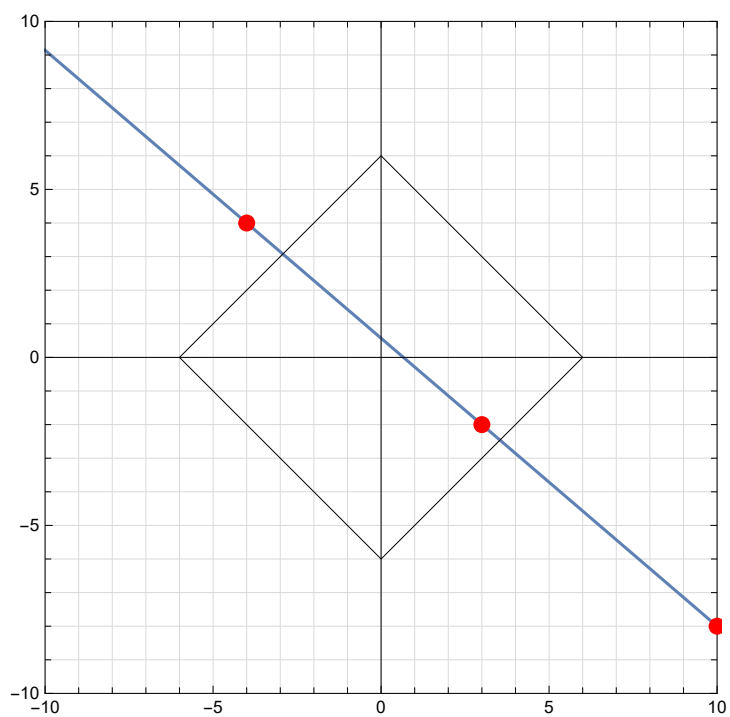
10.

$$4x + 5y = 3$$

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



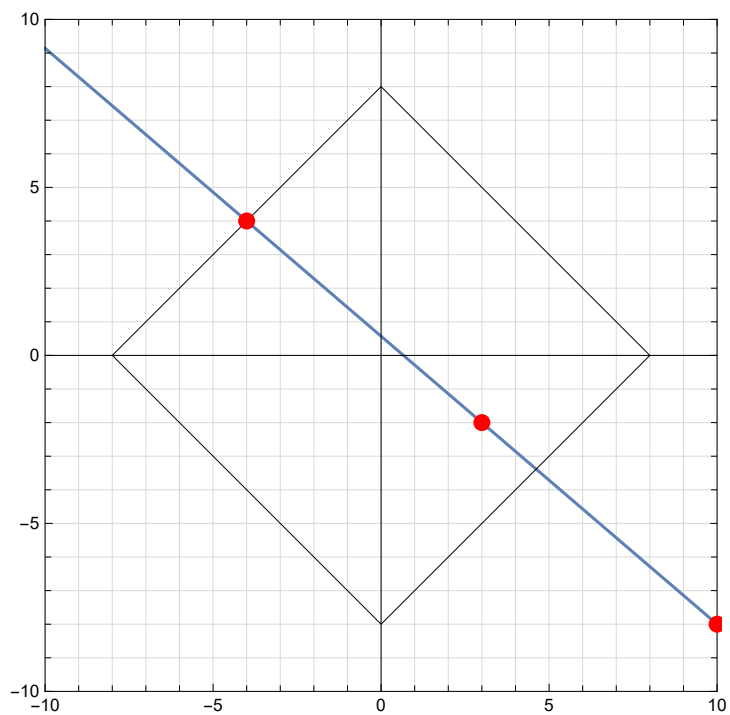
11.
 $6x + 7y = 4$
 $|x| + |y| < 6$



12.

$$6x + 7y = 4$$

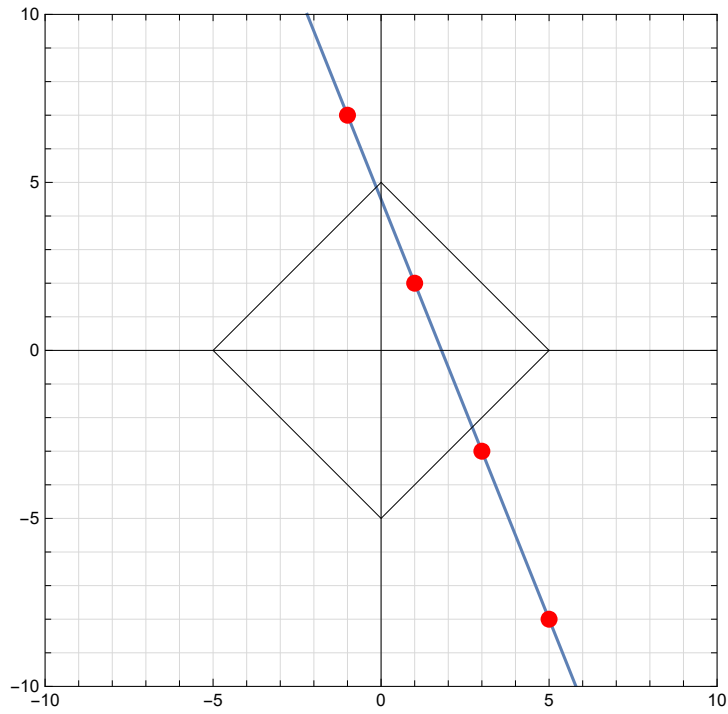
$$|x| + |y| < 8$$



13.

$$5x + 2y = 9$$

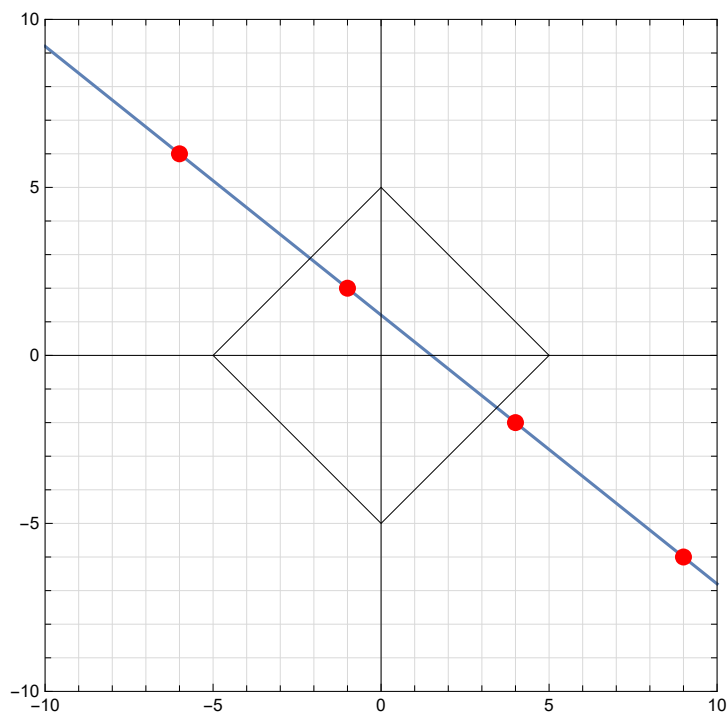
$$|x| + |y| < 5$$



14.

$$4x + 5y = 6$$

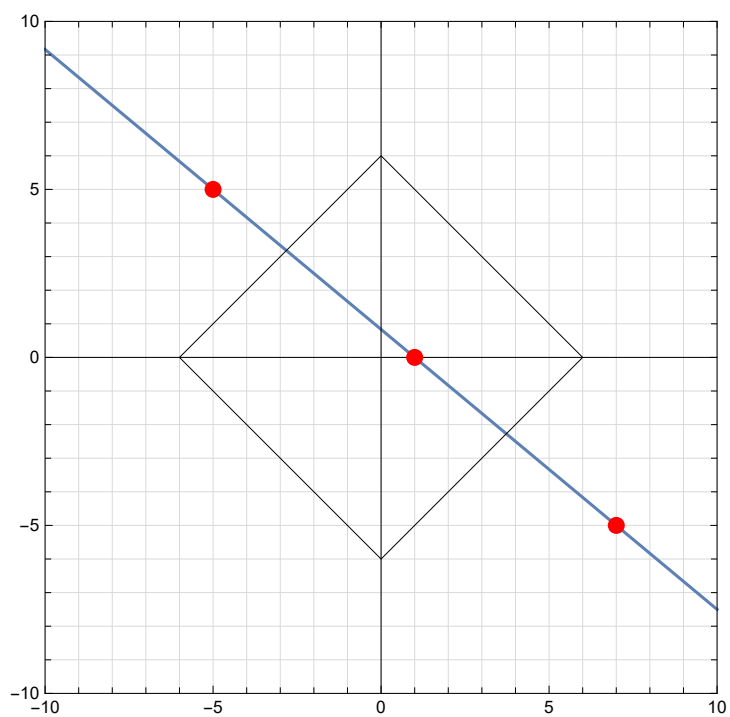
$$|x| + |y| < 5$$



15.

$$5x + 6y = 5$$

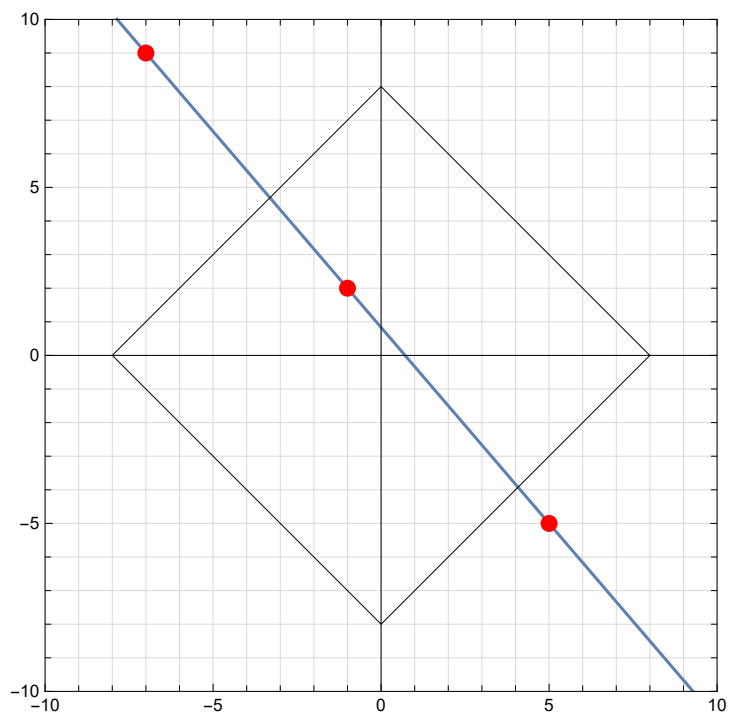
$$|x| + |y| < 6$$



16.

$$7x + 6y = 5$$

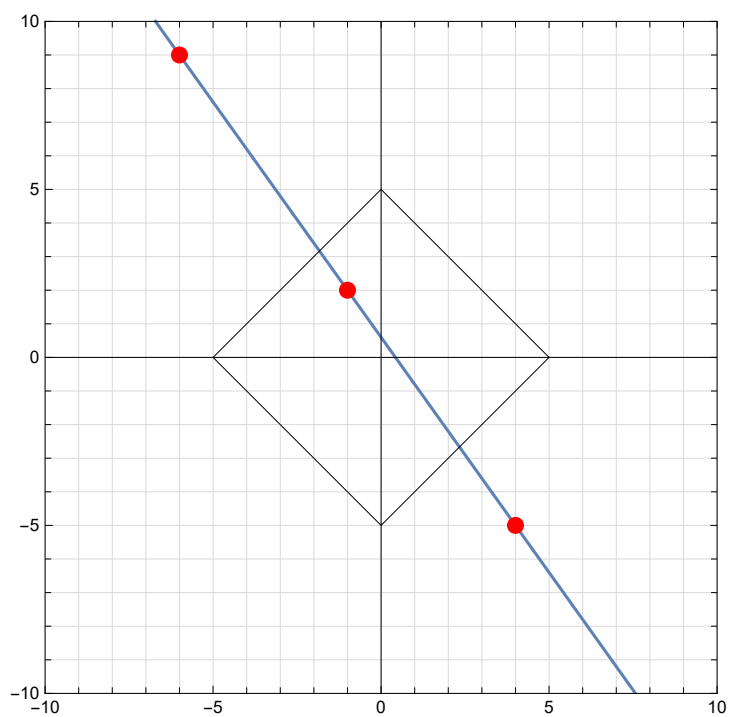
$$|x| + |y| < 8$$



17.

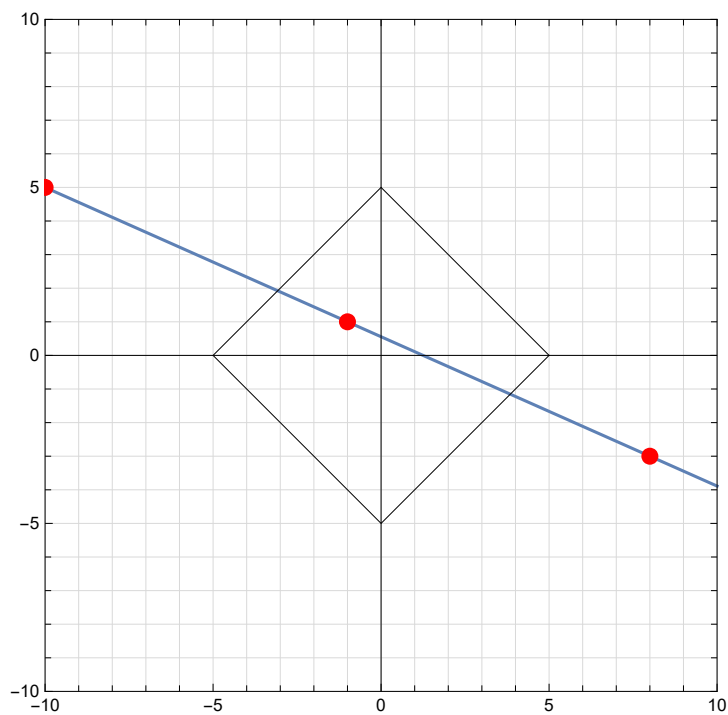
$$7x + 5y = 3$$

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



18.

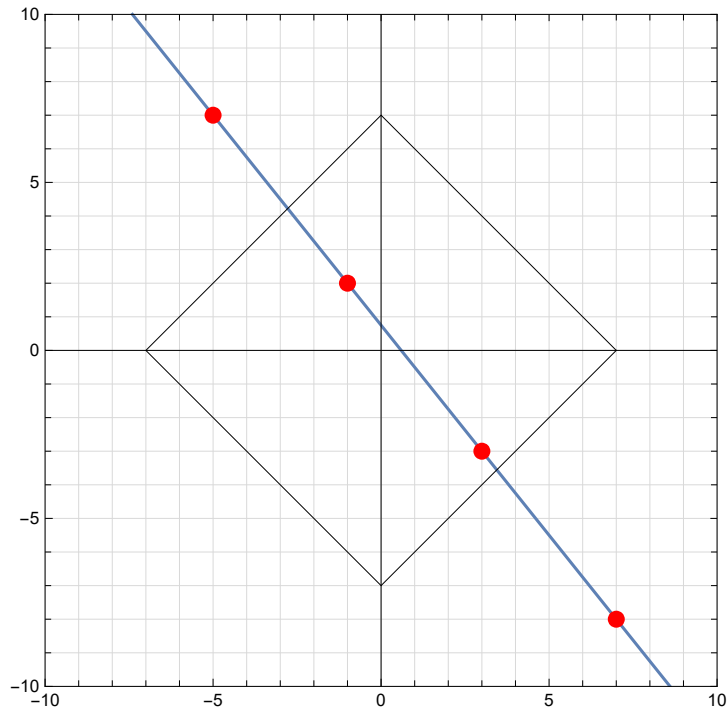
$$4x + 9y = 5$$
$$|x| + |y| < 5$$



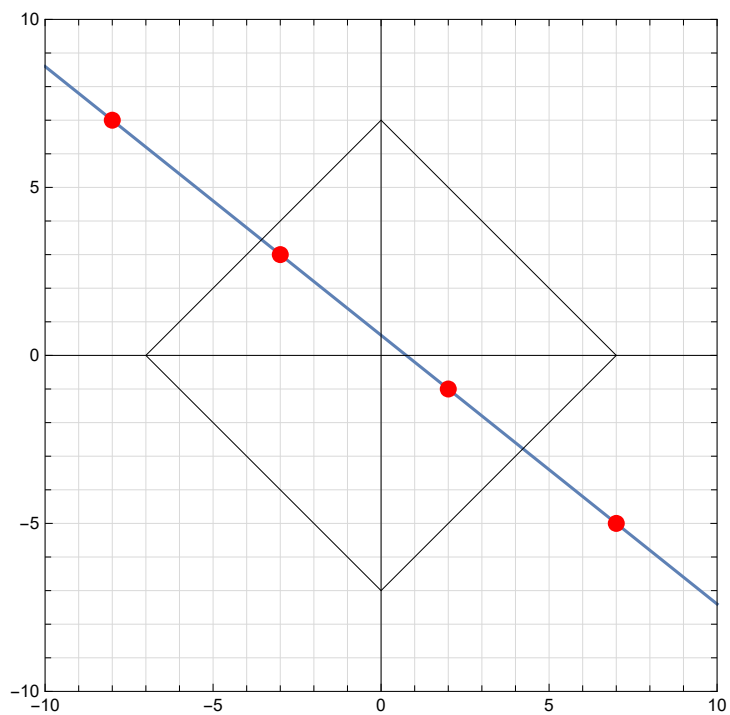
19.

$$5x + 4y = 3$$

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



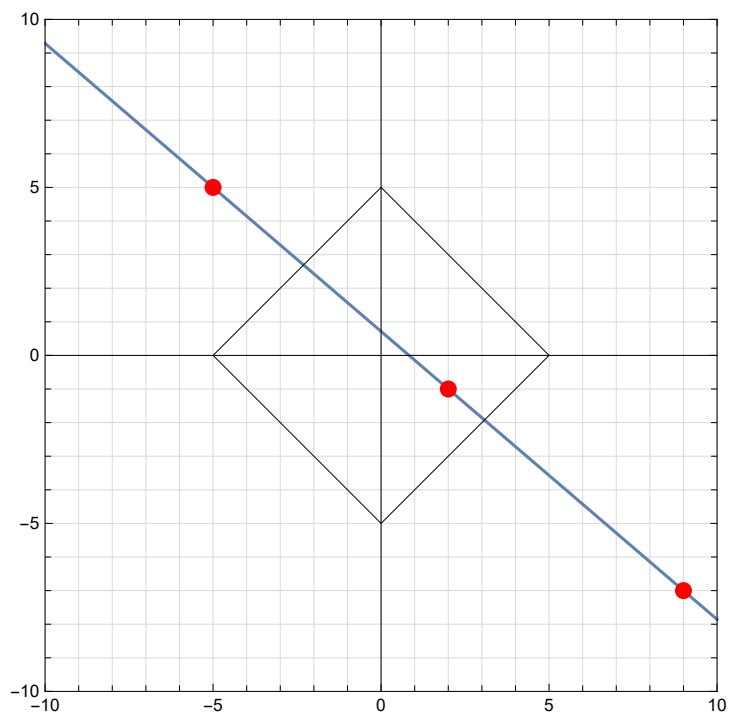
20.
 $4x + 5y = 3$
 $|x| + |y| < 7$



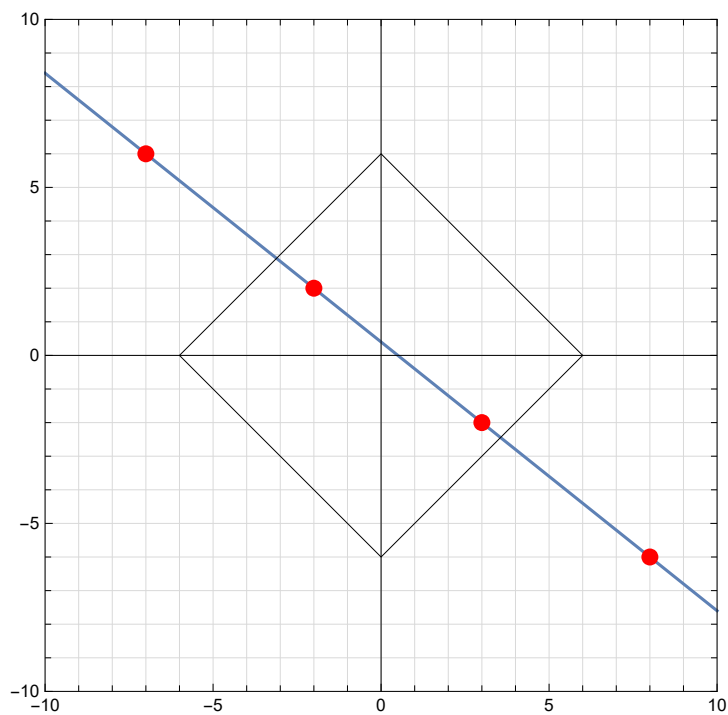
21.

$$6x + 7y = 5$$

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



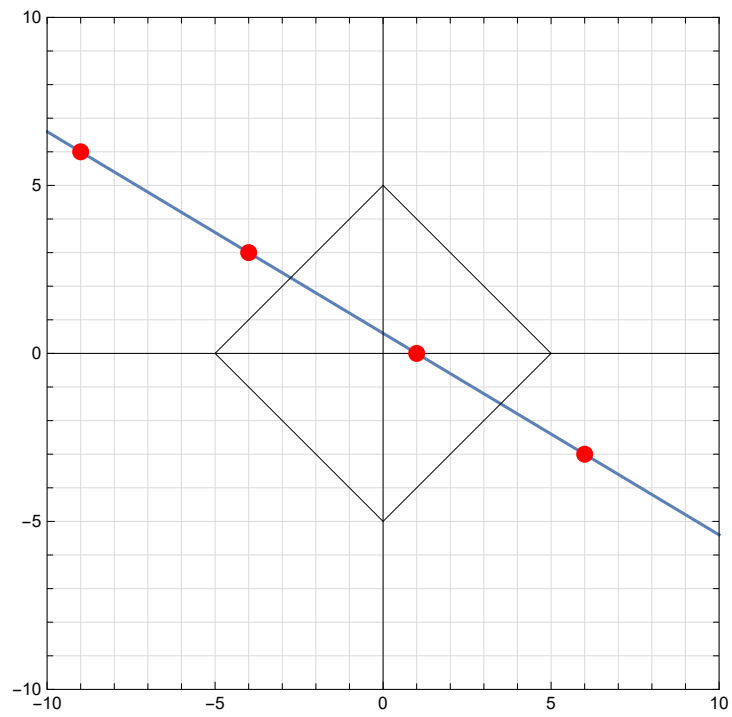
22.
 $4x + 5y = 2$
 $|x| + |y| < 6$



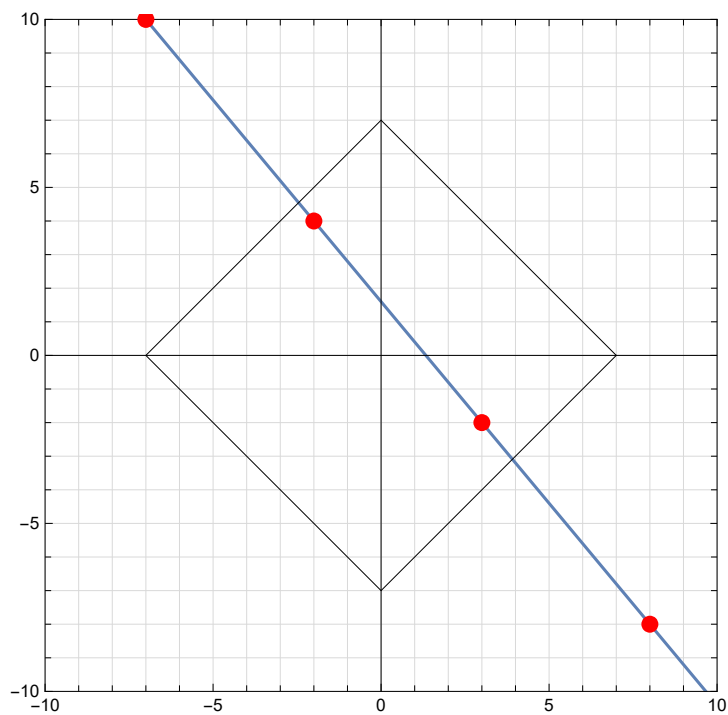
23.

$$3x + 5y = 3$$

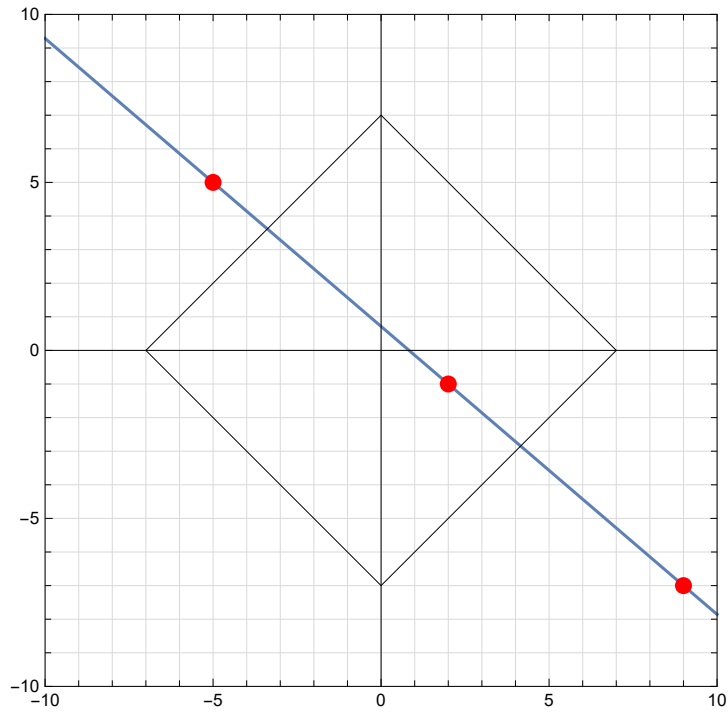
$$|x| + |y| < 5$$



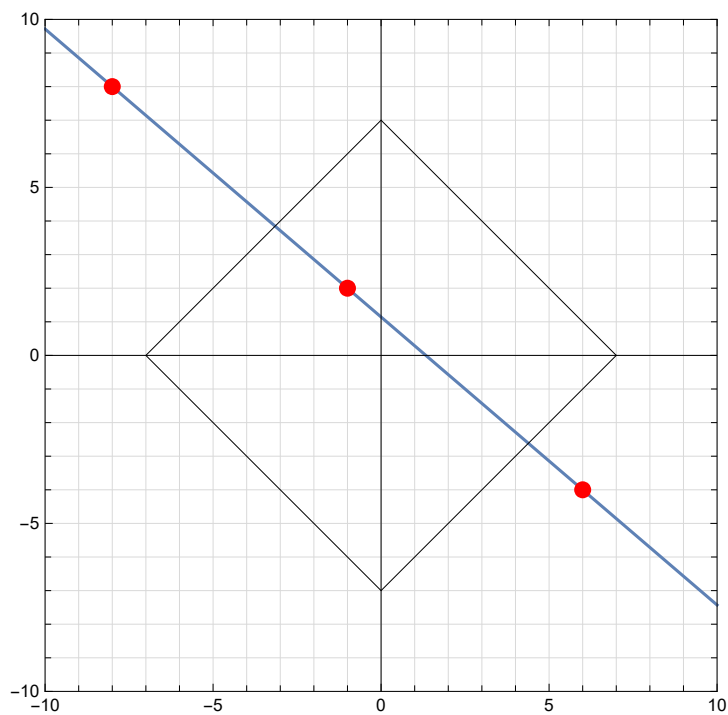
24.
 $6x + 5y = 8$
 $|x| + |y| < 7$



25.
 $6x+7y=5$
 $|x|+|y|<7$



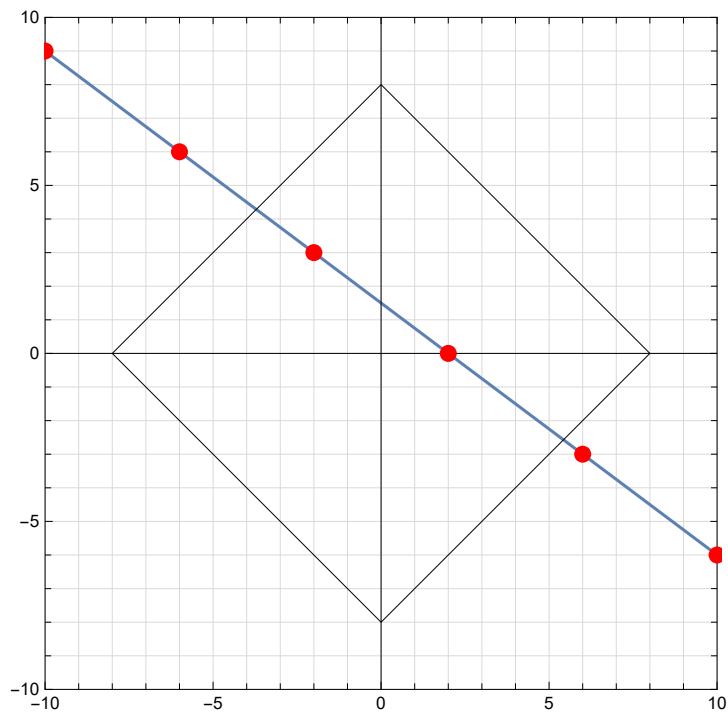
26.
 $6x + 7y = 8$
 $|x| + |y| < 7$



27.

$$3x + 4y = 6$$

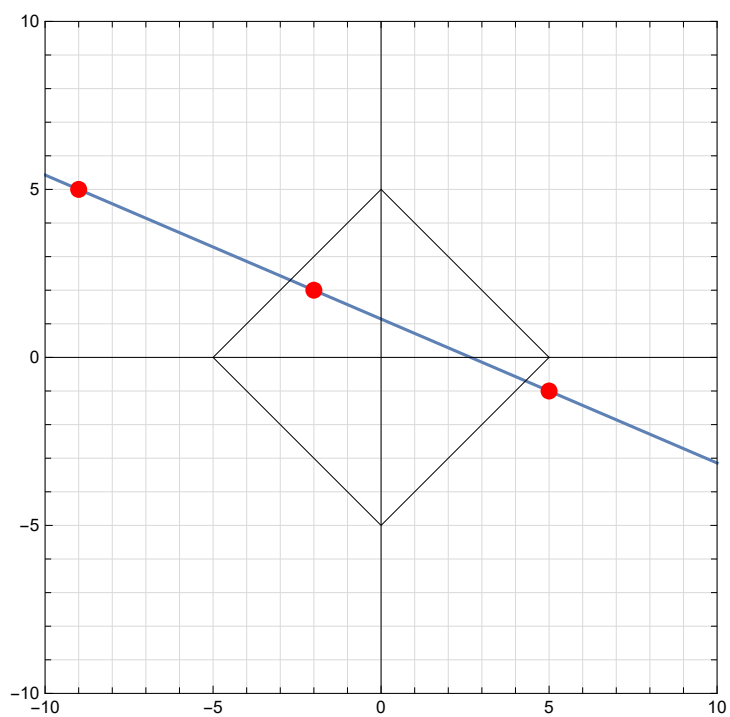
$$|x| + |y| < 8$$



28.

$$3x + 7y = 8$$

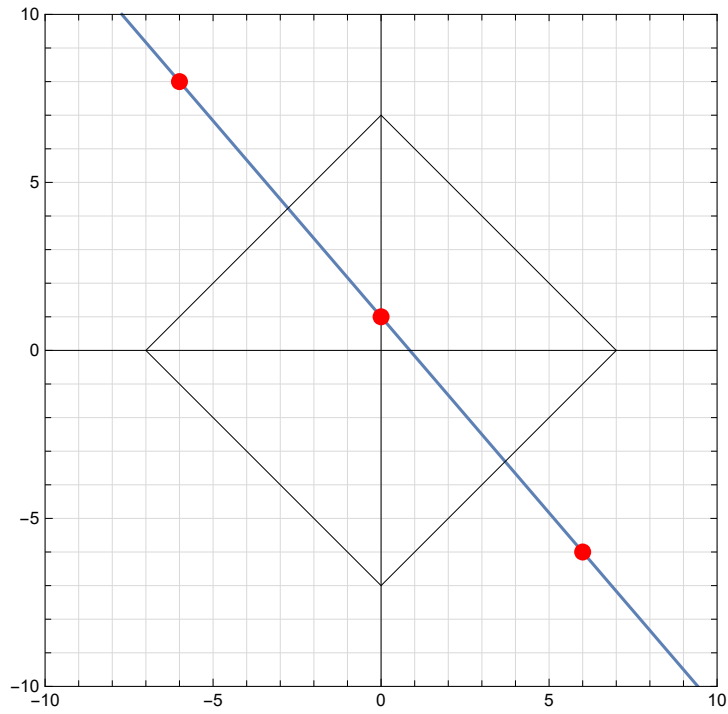
$$|x| + |y| < 5$$



29.

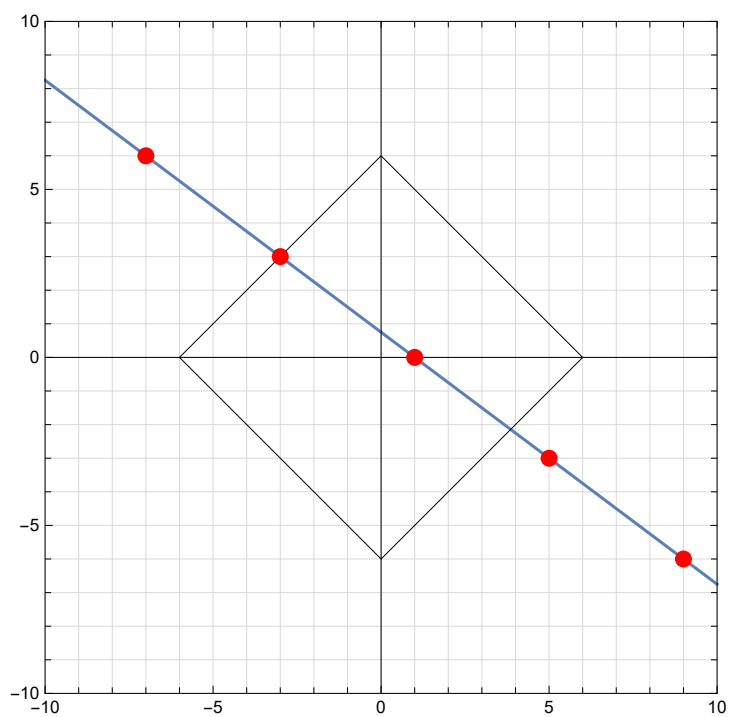
$$7x + 6y = 6$$

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



30.

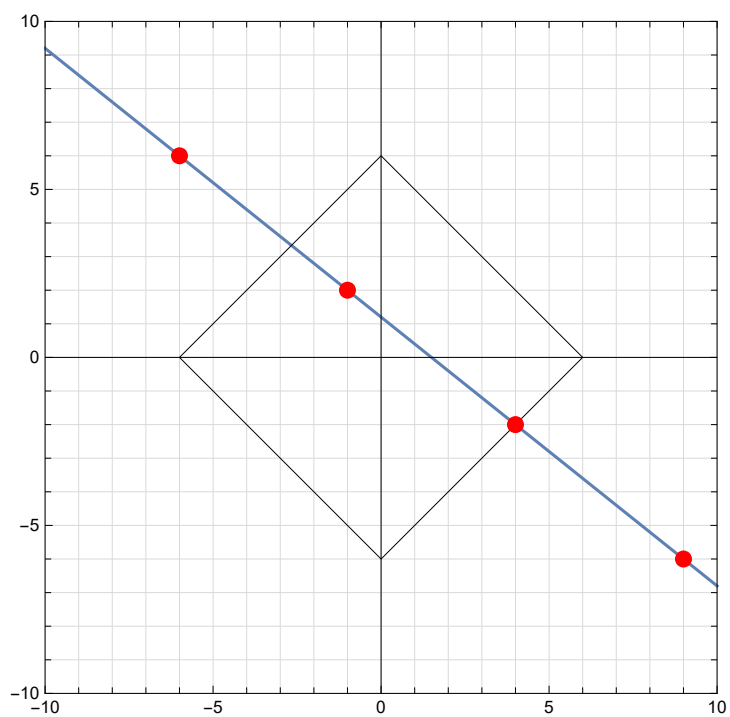
$$3x + 4y = 3$$
$$|x| + |y| < 6$$



31.

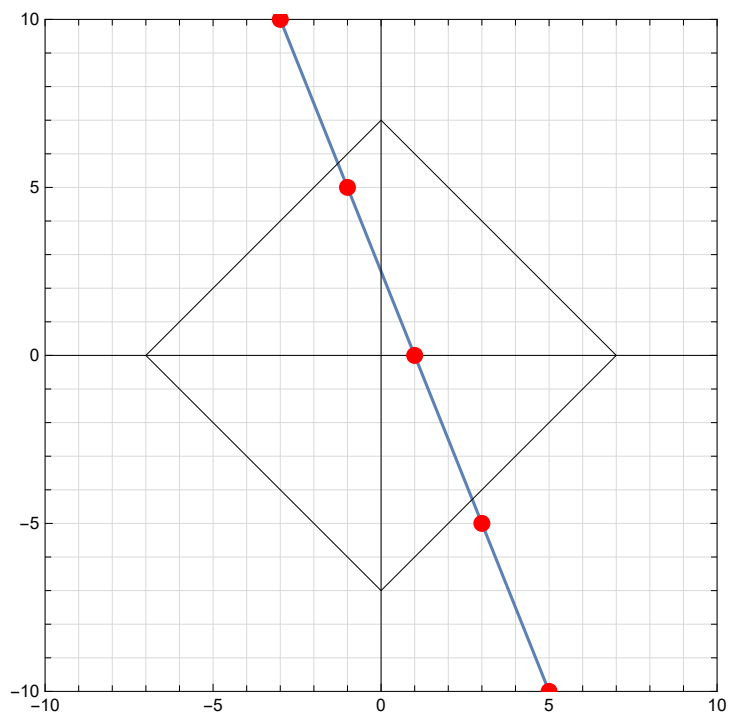
$$4x + 5y = 6$$

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



32.

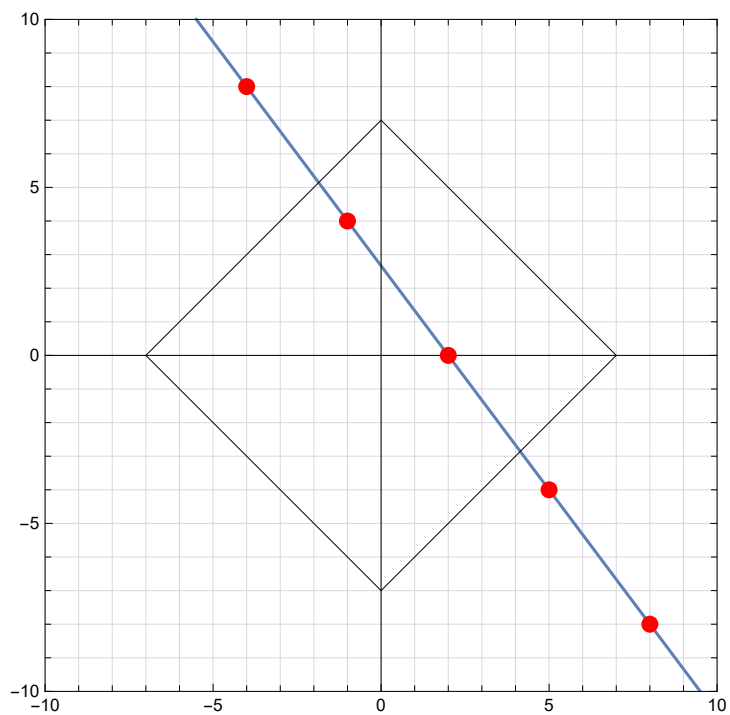
$$5x + 2y = 5$$
$$|x| + |y| < 7$$



33.

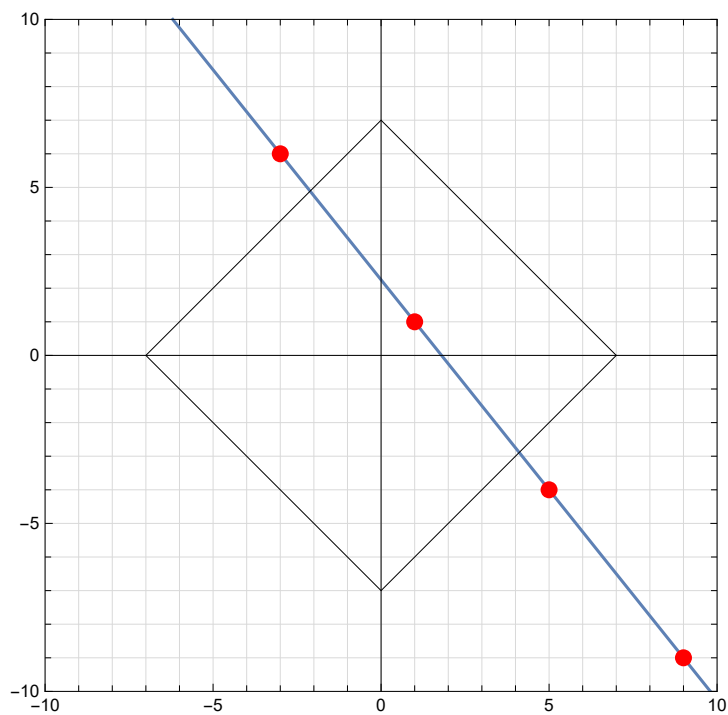
$$4x + 3y = 8$$

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

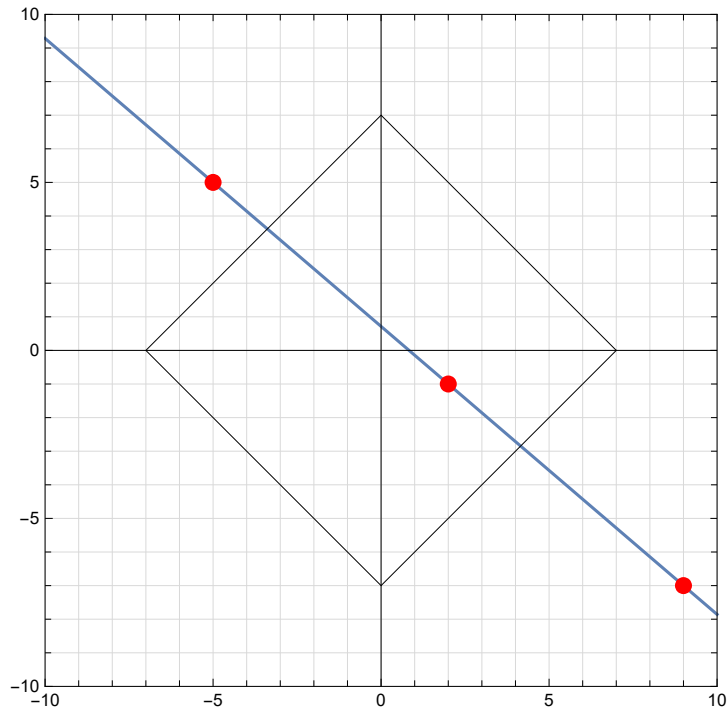


34.

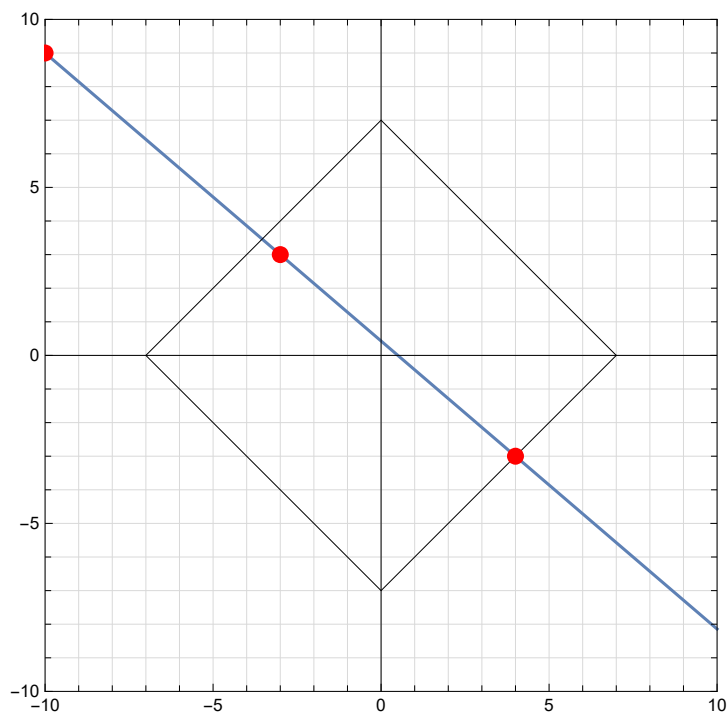
$$5x + 4y = 9$$
$$|x| + |y| < 7$$



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



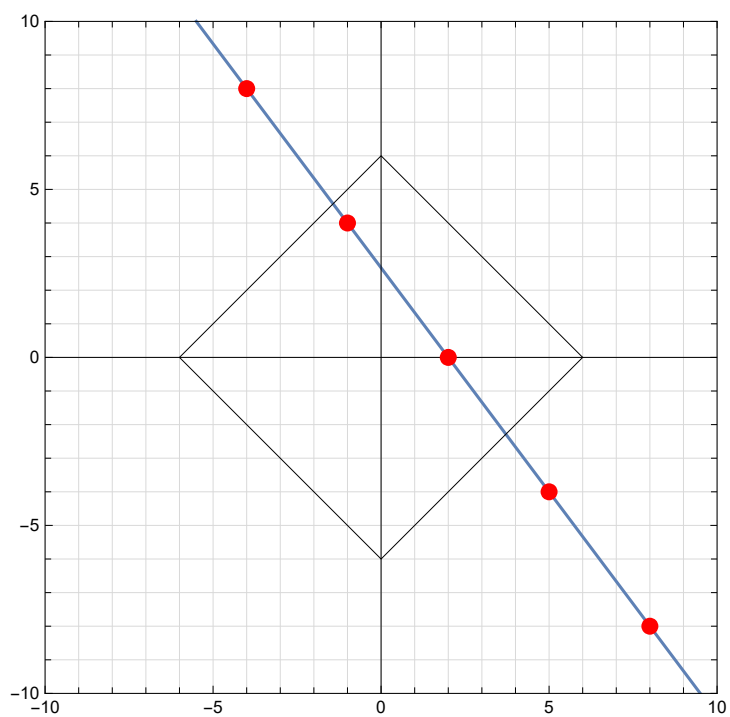
36.
 $6x + 7y = 3$
 $|x| + |y| < 7$



37.

$$4x + 3y = 8$$

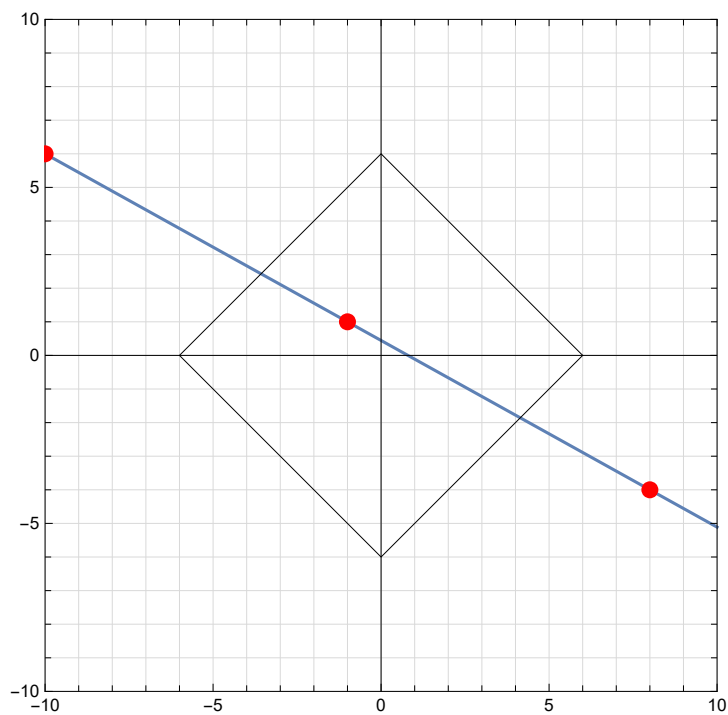
$$|x| + |y| < 6$$



38.

$$5x + 9y = 4$$

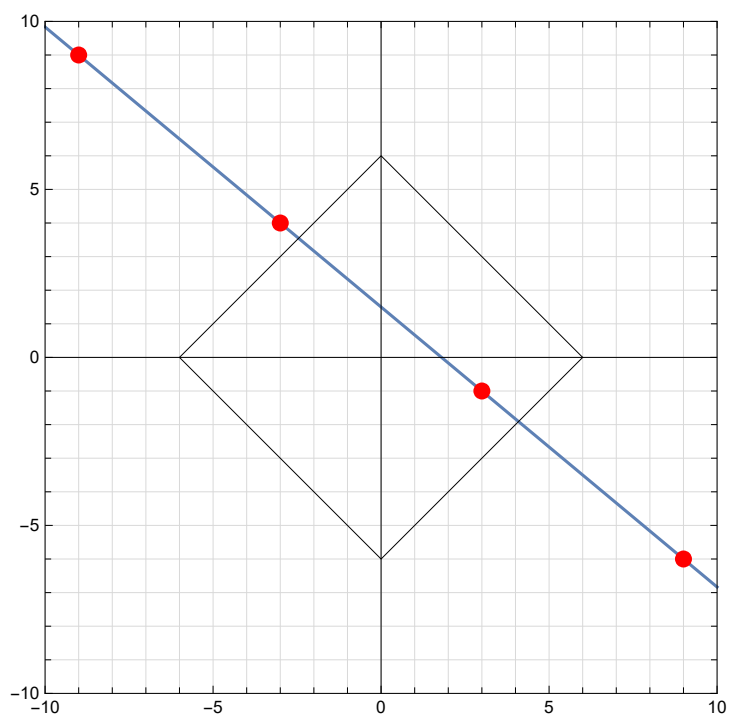
$$|x| + |y| < 6$$



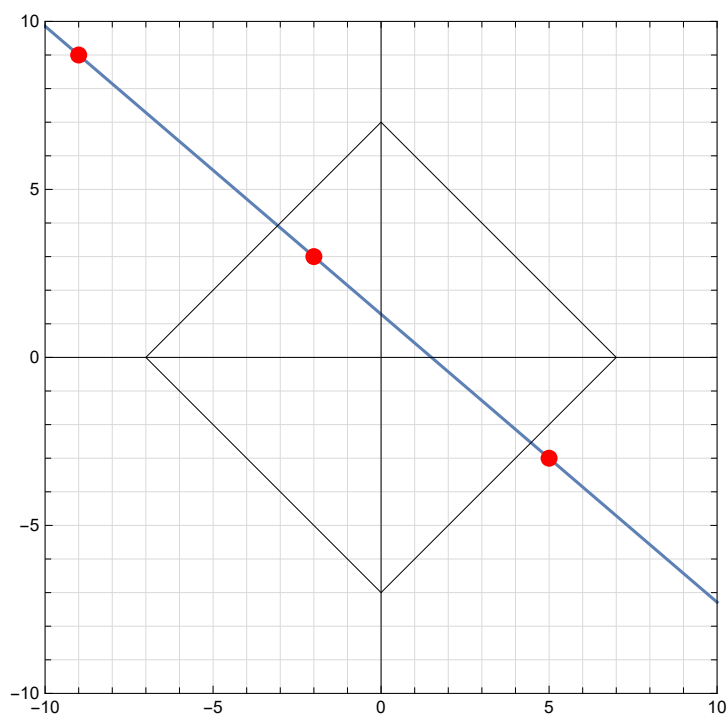
39.

$$5x + 6y = 9$$

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



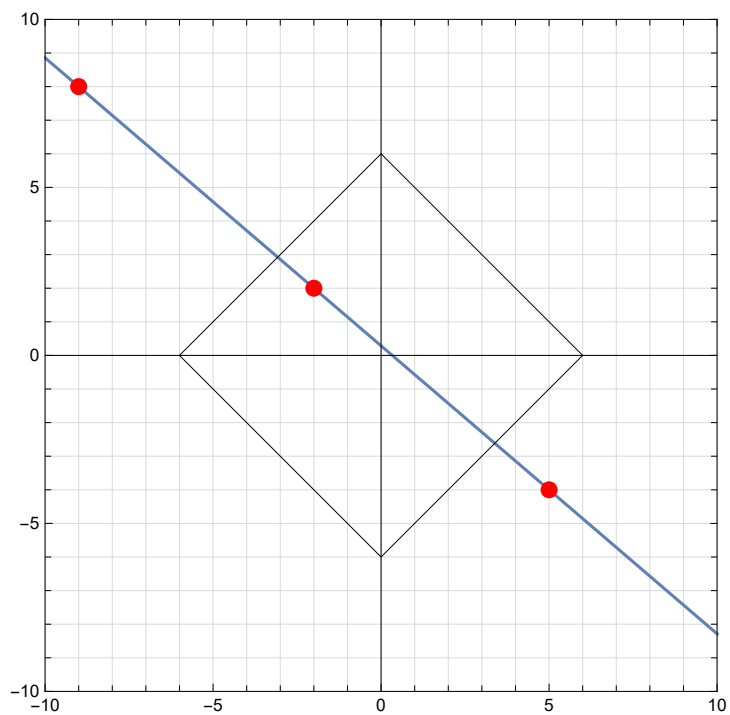
40.
 $6x + 7y = 9$
 $|x| + |y| < 7$



41.

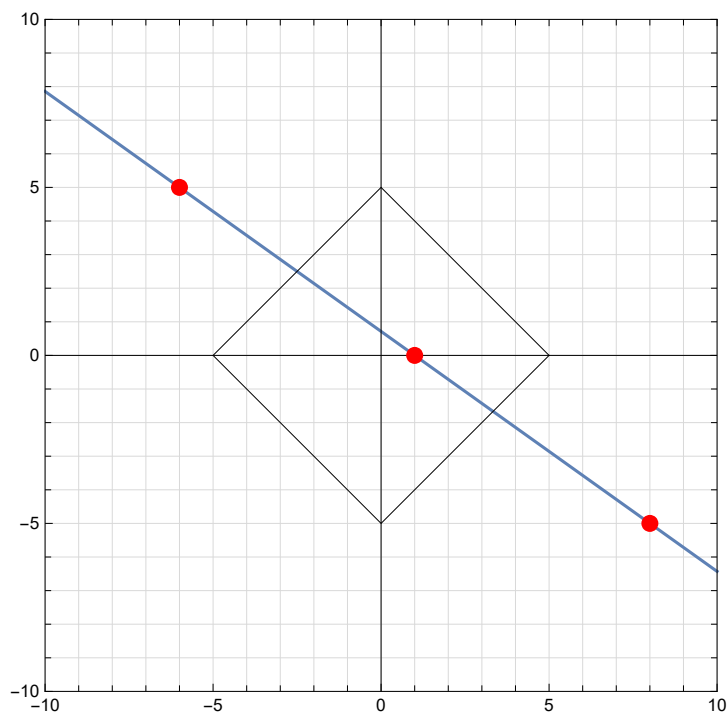
$$6x + 7y = 2$$

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



42.

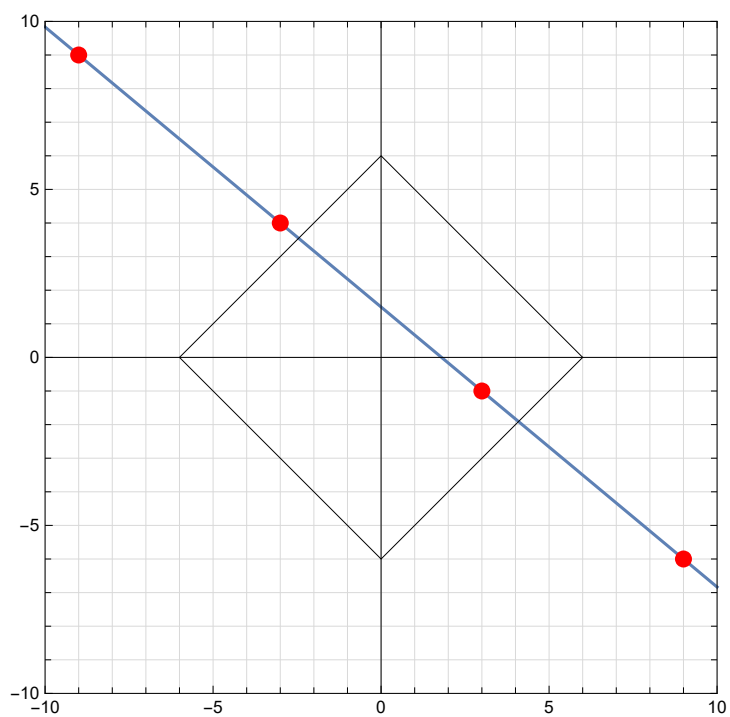
$$5x + 7y = 5$$
$$|x| + |y| < 5$$



43.

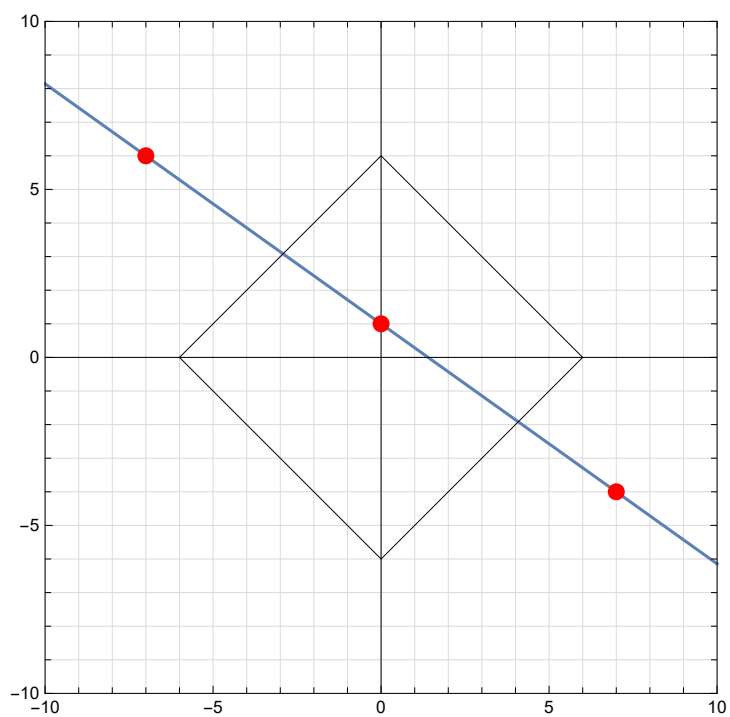
$$5x + 6y = 9$$

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



44.

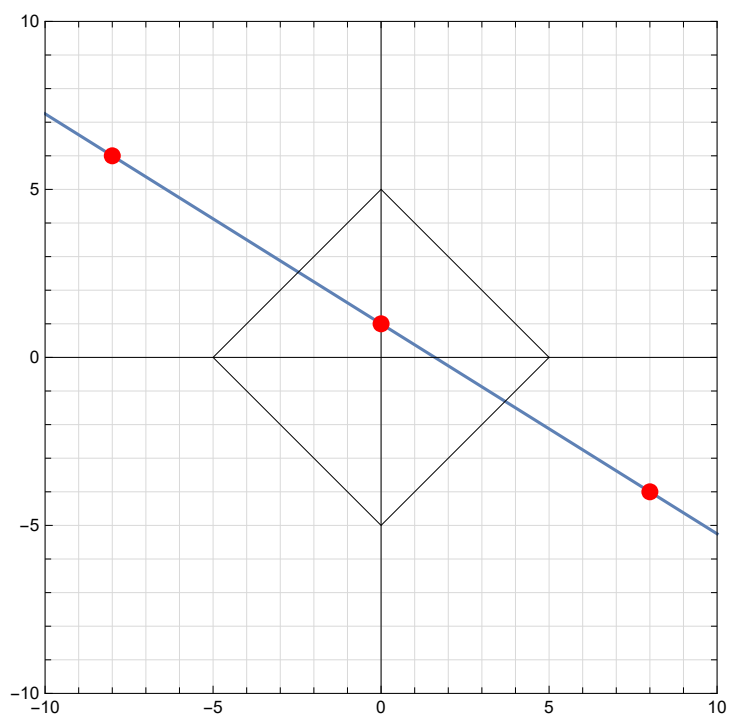
$$5x + 7y = 7$$
$$|x| + |y| < 6$$



45.

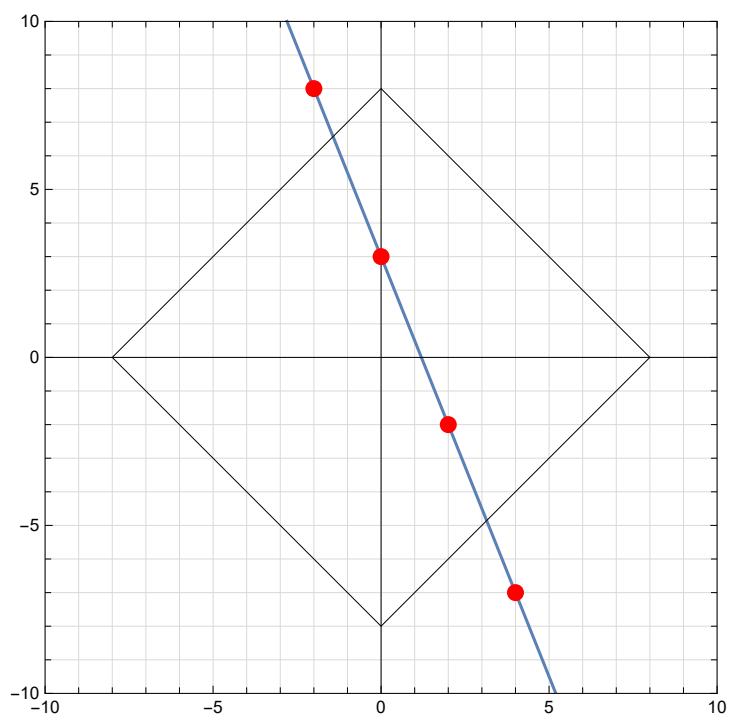
$$5x + 8y = 8$$

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



46.

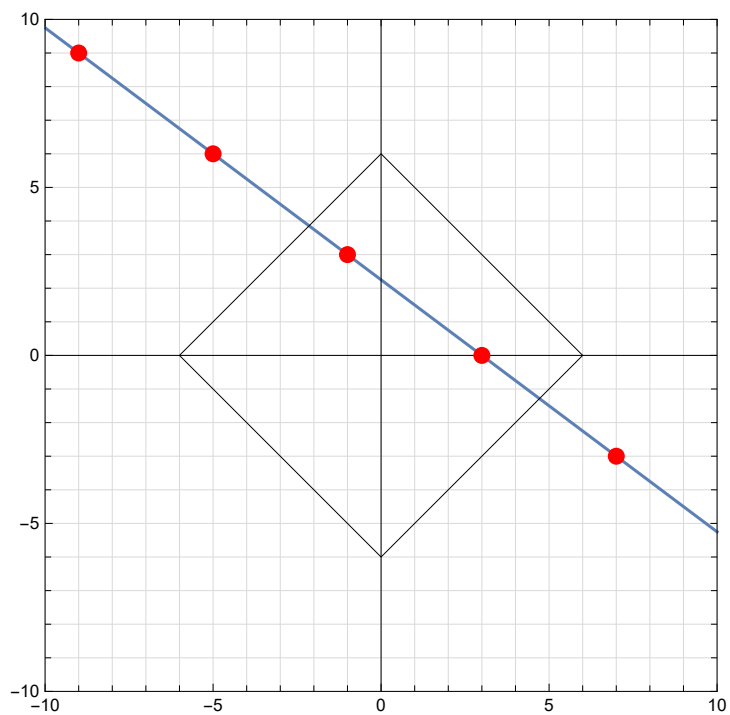
$$5x + 2y = 6$$
$$|x| + |y| < 8$$



47.

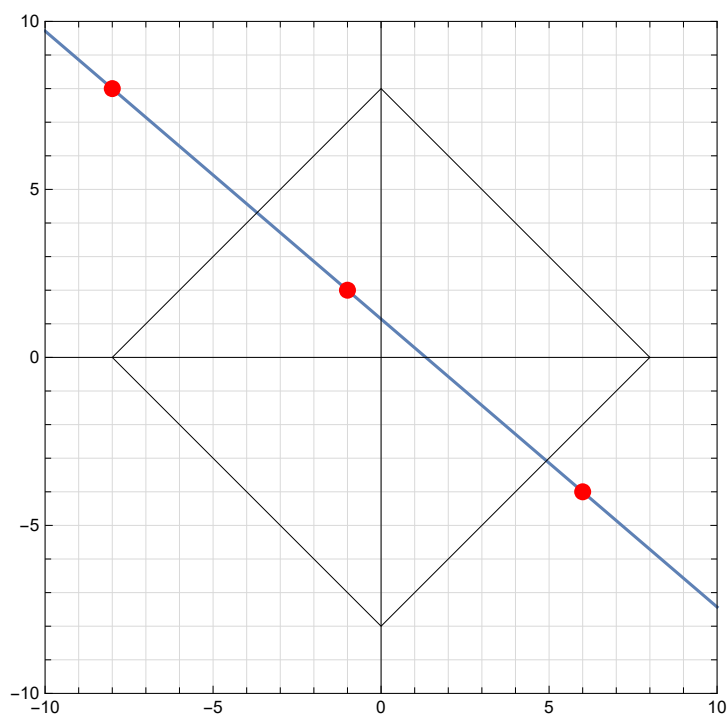
$$3x + 4y = 9$$

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



48.

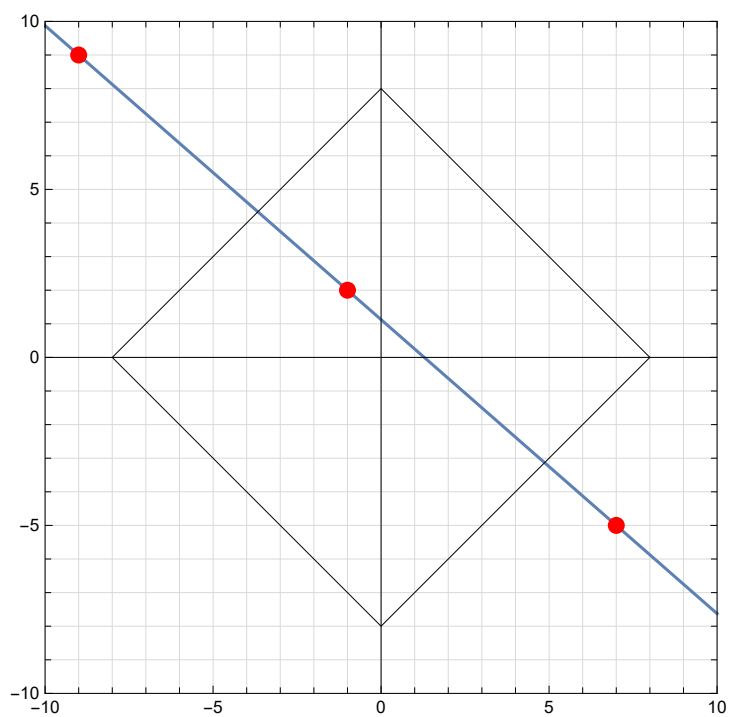
$$6x + 7y = 8$$
$$|x| + |y| < 8$$



49.

$$7x + 8y = 9$$

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



50.
 $5x + 7y = 8$
 $|x| + |y| < 5$

