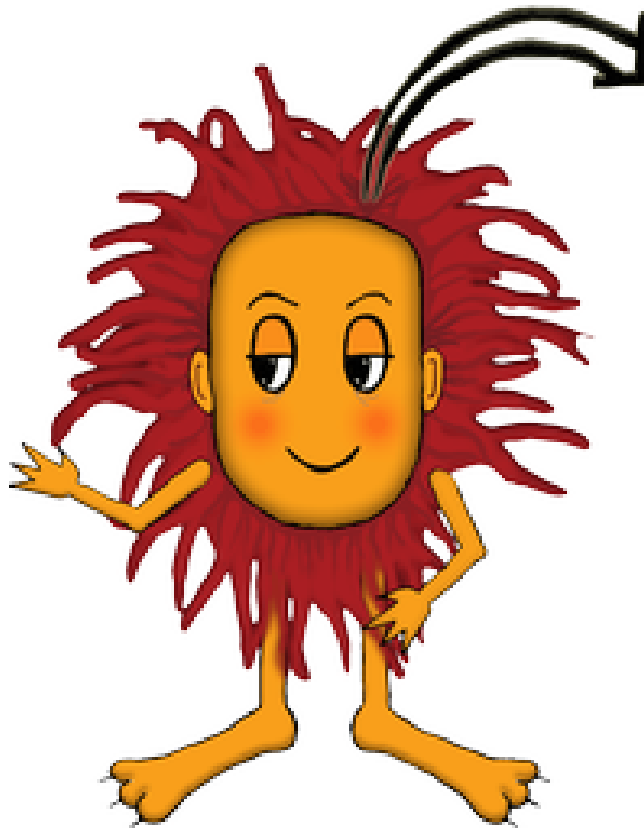


Velika logična pošast



Diofantska enačba in pripadajoča homogena enačba

Rešiti moramo diofantsko enačbo
 $ax+by=c$
in pripadajočo homogeno enačbo
 $ax+by=0$.
Rešitev prikaži grafično.

1.

$$4x+7y=40$$

$$4x+7y=0$$

2.

$$7x+2y=18$$

$$7x+2y=0$$

3.

$$6x+7y=17$$

$$6x+7y=0$$

4.

$$3x+2y=22$$

$$3x+2y=0$$

5.

$$4x+5y=15$$

$$4x+5y=0$$

6.

$$6x+5y=38$$

$$6x+5y=0$$

7.

$$4x+7y=15$$

$$4x+7y=0$$

8.

$$3x+4y=18$$

$$3x+4y=0$$

9.

$$3x+8y=22$$

$$3x+8y=0$$

10.

$$7x+4y=12$$

$$7x+4y=0$$

11.

$$7x+5y=13$$

$$7x+5y=0$$

12.

$$4x+3y=13$$

$$4x+3y=0$$

13.

$$3x+10y=38$$

$$3x+10y=0$$

14.

$$6x+7y=11$$

$$6x+7y=0$$

15.

$$5x+9y=20$$

$$5x+9y=0$$

16.

$$6x+7y=21$$

$$6x+7y=0$$

17.

$$5x+6y=24$$

$$5x+6y=0$$

18.

$$7x+9y=18$$

$$7x+9y=0$$

19.

$$5x+3y=39$$

$$5x+3y=0$$

20.

$$7x+8y=23$$

$$7x+8y=0$$

21.

$$4x+5y=16$$

$$4x+5y=0$$

22.

$$6x+5y=31$$

$$6x+5y=0$$

23.

$$5x+6y=25$$

$$5x+6y=0$$

24.

$$4x+5y=11$$

$$4x+5y=0$$

25.

$$5x+6y=16$$

$$5x+6y=0$$

26.

$$6x+7y=18$$

$$6x+7y=0$$

27.

$$7x+3y=35$$

$$7x+3y=0$$

28.

$$4x+5y=13$$

$$4x+5y=0$$

29.

$$4x+5y=28$$

$$4x+5y=0$$

30.

$$7x+8y=30$$

$$7x+8y=0$$

31.

$$3x+8y=37$$

$$3x+8y=0$$

32.

$$3x+7y=28$$

$$3x+7y=0$$

33.

$$3x+8y=32$$

$$3x+8y=0$$

34.

$$4x+5y=23$$

$$4x+5y=0$$

35.

$$7x+10y=16$$

$$7x+10y=0$$

36.

$$5x+4y=20$$

$$5x+4y=0$$

37.

$$7x+8y=38$$

$$7x+8y=0$$

38.

$$7x+6y=30$$

$$7x+6y=0$$

39.

$$7x+8y=10$$

$$7x+8y=0$$

40.

$$4x+3y=28$$

$$4x+3y=0$$

41.

$$7x+4y=28$$

$$7x+4y=0$$

42.

$$3x+10y=18$$

$$3x+10y=0$$

43.

$$4x+5y=39$$

$$4x+5y=0$$

44.

$$6x+7y=28$$

$$6x+7y=0$$

45.

$$5x+6y=13$$

$$5x+6y=0$$

46.

$$5x+4y=22$$
$$5x+4y=0$$

47.

$$3x+8y=11$$
$$3x+8y=0$$

48.

$$3x+7y=38$$
$$3x+7y=0$$

49.

$$6x+7y=23$$
$$6x+7y=0$$

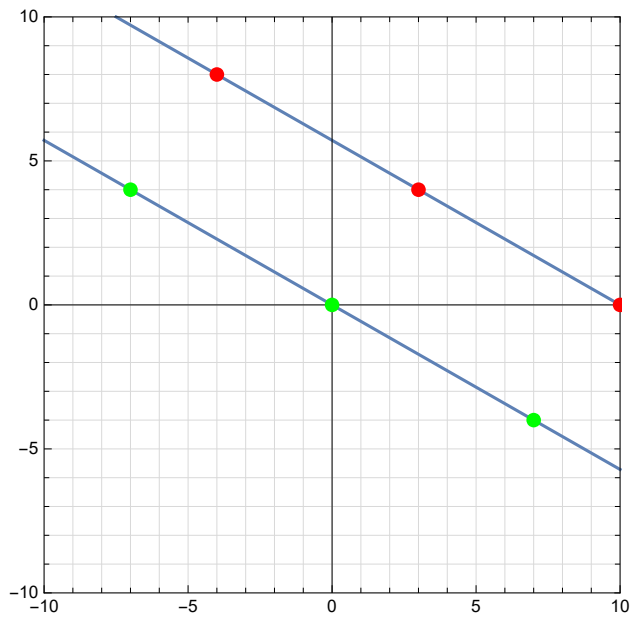
50.

$$5x+6y=30$$
$$5x+6y=0$$

Rešitve:

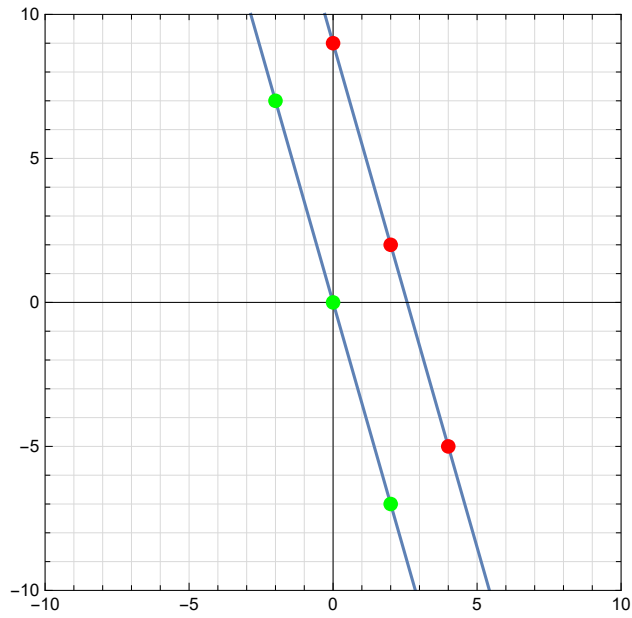
1.

$$4x+7y=40$$
$$4x+7y=0$$



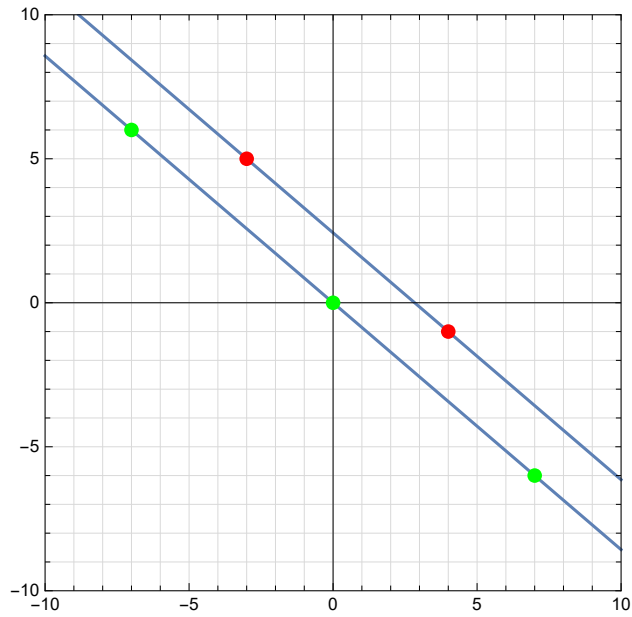
2.

$$\begin{aligned} 7x+2y &= 18 \\ 7x+2y &= 0 \end{aligned}$$



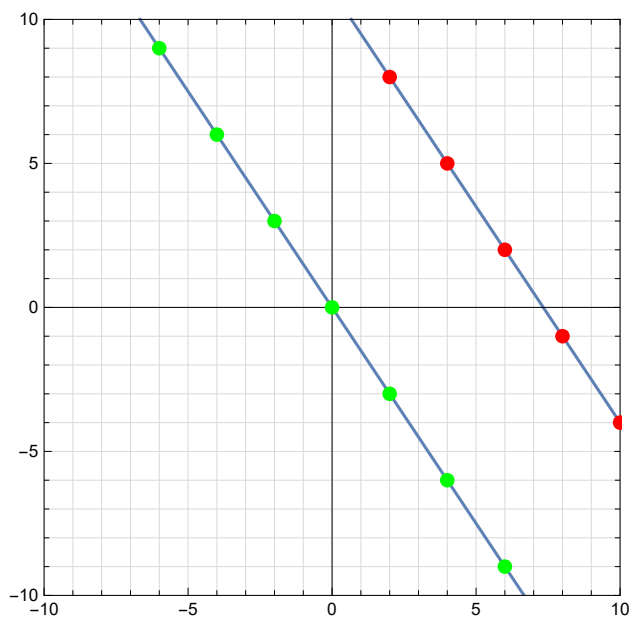
3.

$$\begin{aligned} 6x+7y &= 17 \\ 6x+7y &= 0 \end{aligned}$$



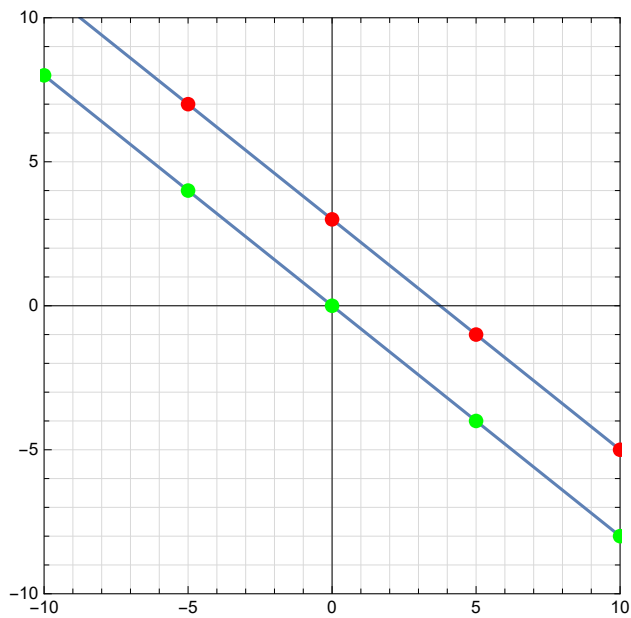
4.

$$\begin{aligned} 3x+2y &= 22 \\ 3x+2y &= 0 \end{aligned}$$



5.

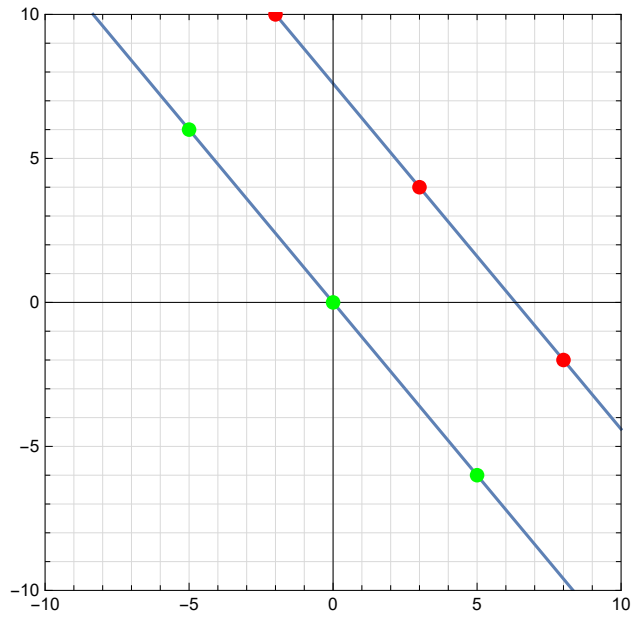
$$\begin{aligned} 4x+5y &= 15 \\ 4x+5y &= 0 \end{aligned}$$



6.

$$6x + 5y = 38$$

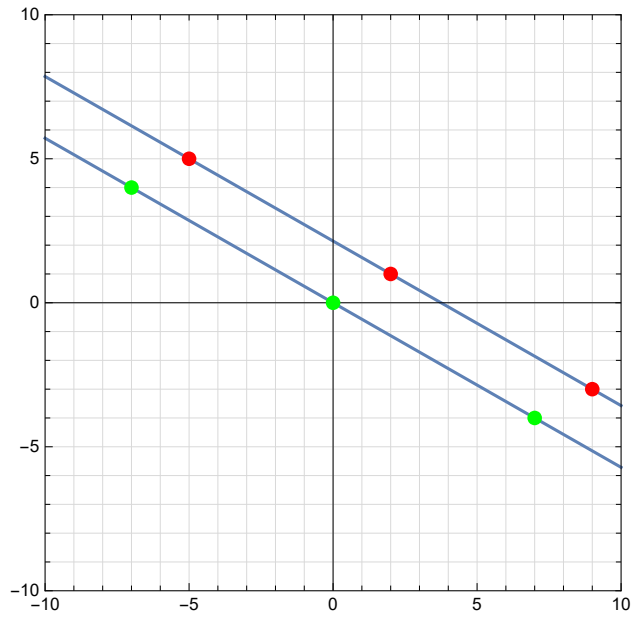
$$6x + 5y = 0$$



7.

$$4x + 7y = 15$$

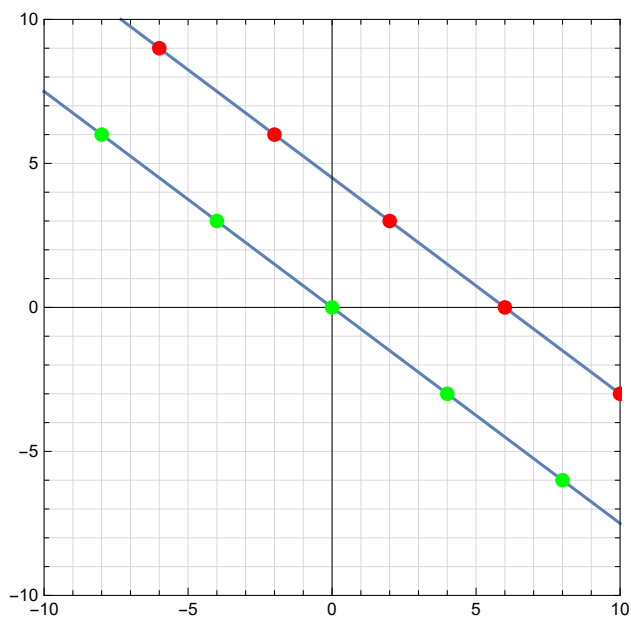
$$4x + 7y = 0$$



8.

$$3x+4y=18$$

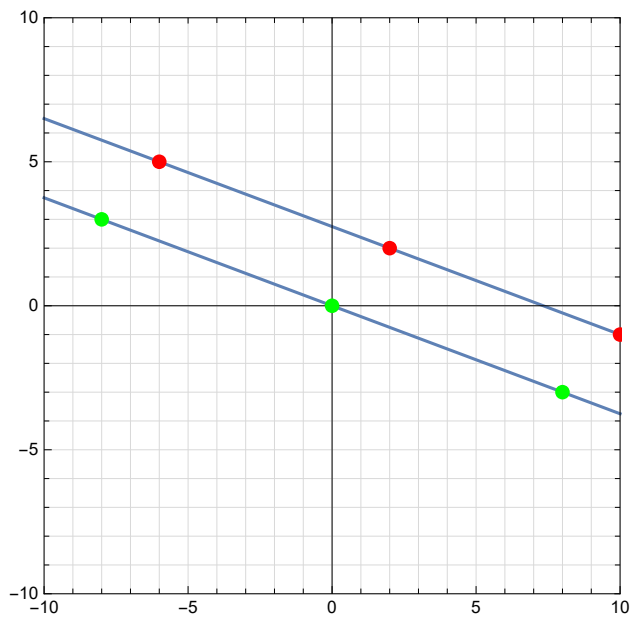
$$3x+4y=0$$



9.

$$3x+8y=22$$

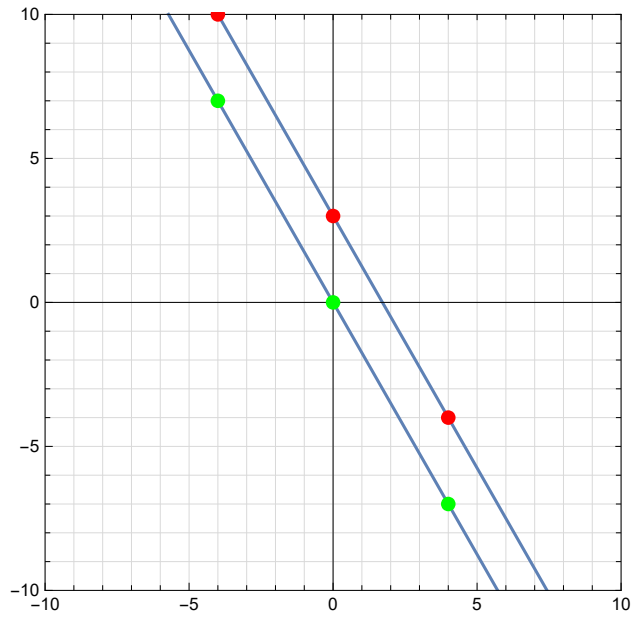
$$3x+8y=0$$



10.

$$7x+4y=12$$

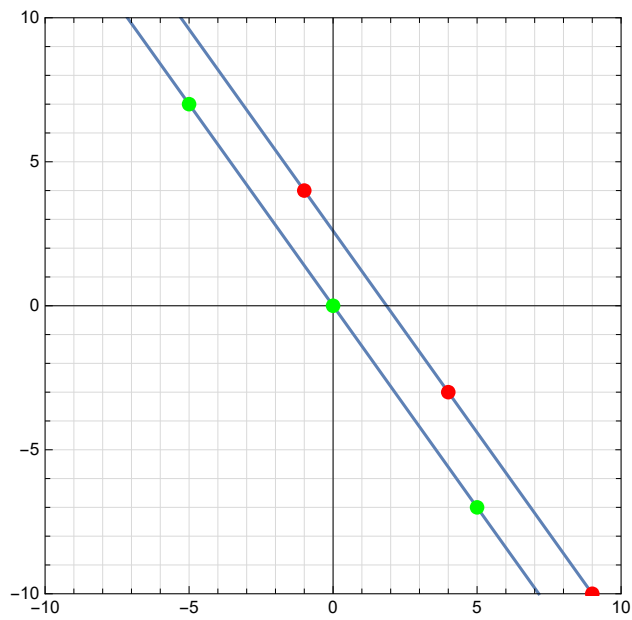
$$7x+4y=0$$



11.

$$7x+5y=13$$

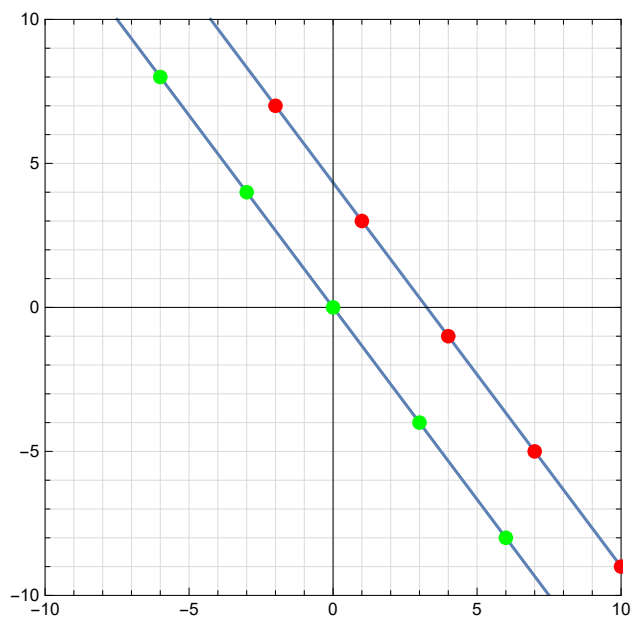
$$7x+5y=0$$



12.

$$4x + 3y = 13$$

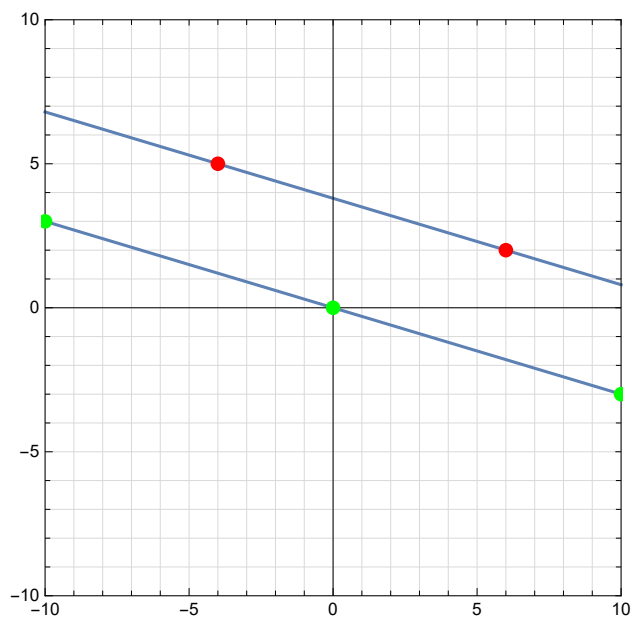
$$4x + 3y = 0$$



13.

$$3x + 10y = 38$$

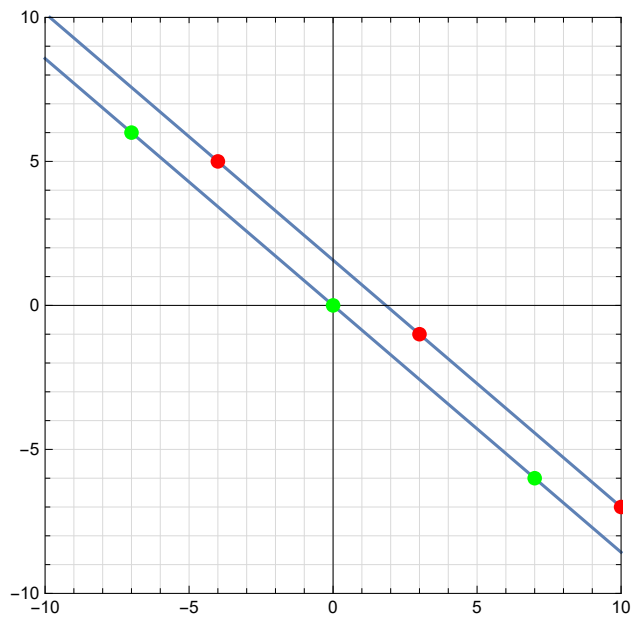
$$3x + 10y = 0$$



14.

$$6x+7y=11$$

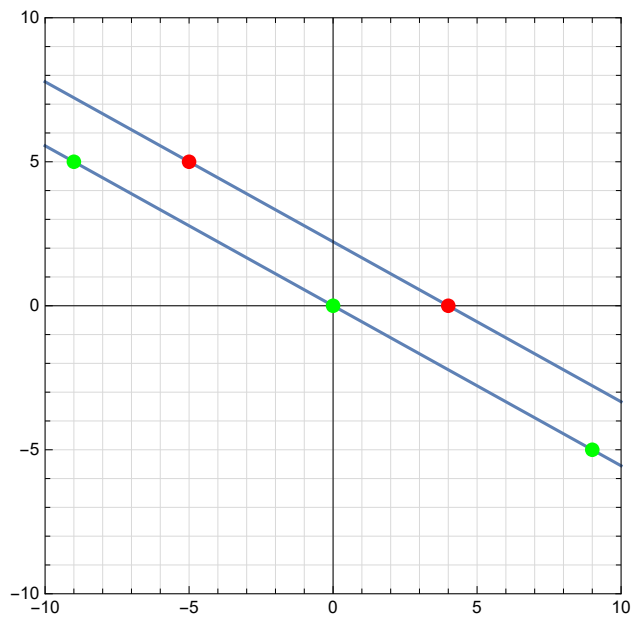
$$6x+7y=0$$



15.

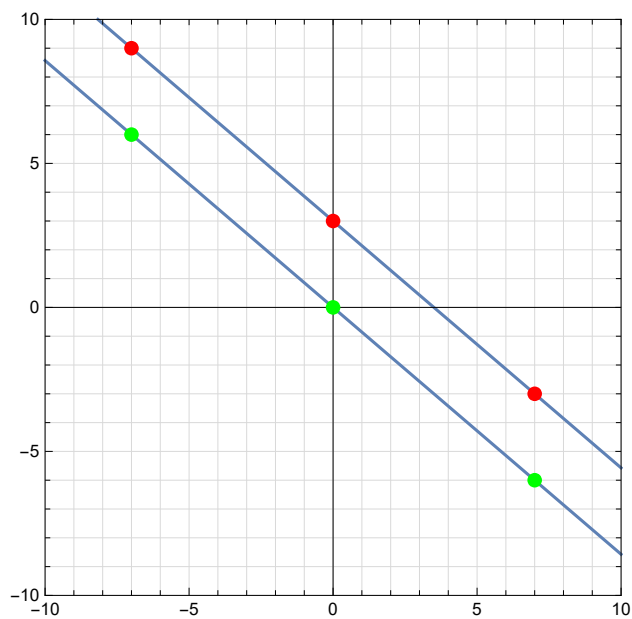
$$5x+9y=20$$

$$5x+9y=0$$



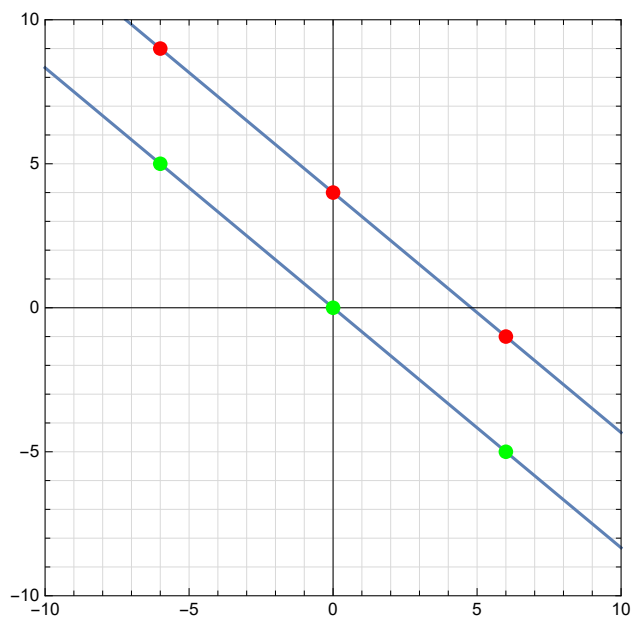
16.

$$6x + 7y = 21$$
$$6x + 7y = 0$$



17.

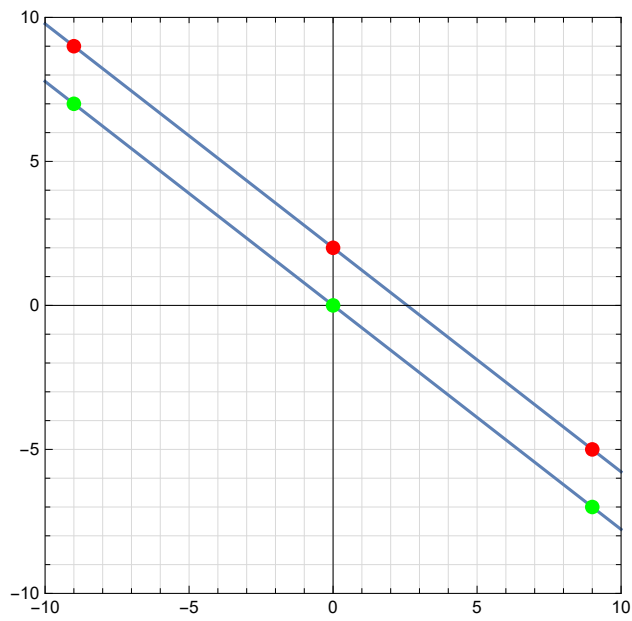
$$5x + 6y = 24$$
$$5x + 6y = 0$$



18.

$$7x+9y=18$$

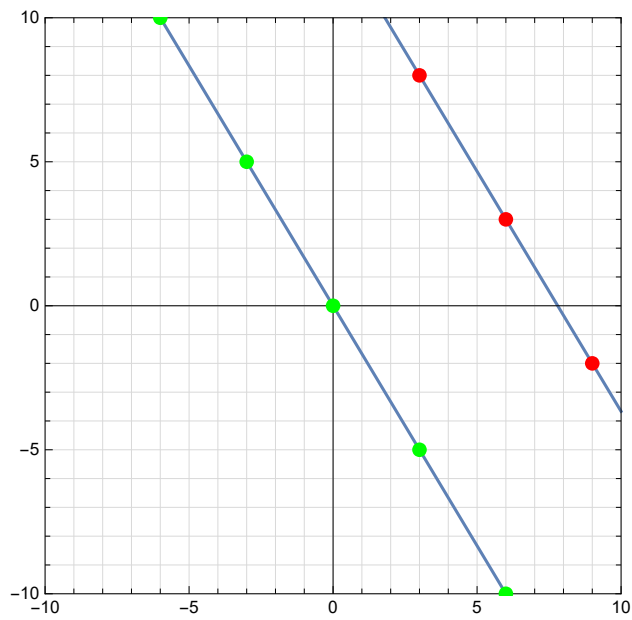
$$7x+9y=0$$



19.

$$5x+3y=39$$

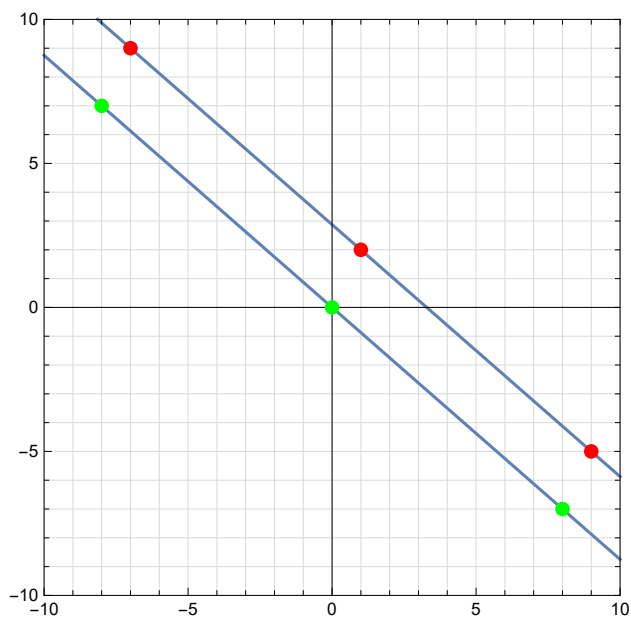
$$5x+3y=0$$



20.

$$7x + 8y = 23$$

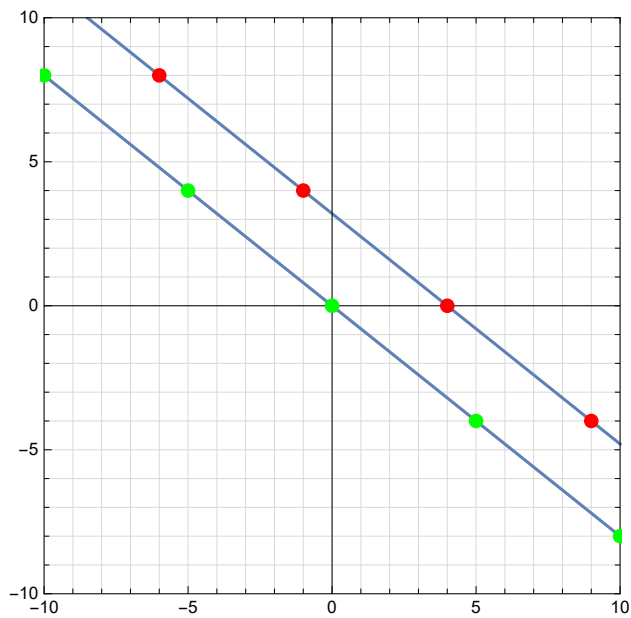
$$7x + 8y = 0$$



21.

$$4x + 5y = 16$$

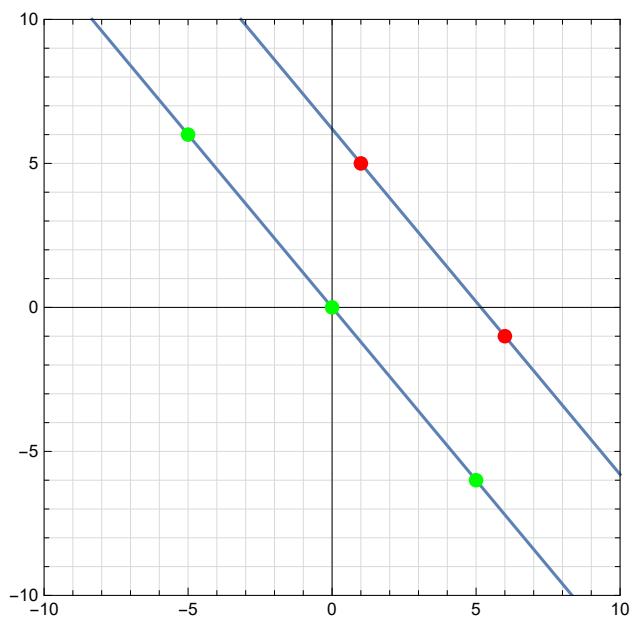
$$4x + 5y = 0$$



22.

$$6x+5y=31$$

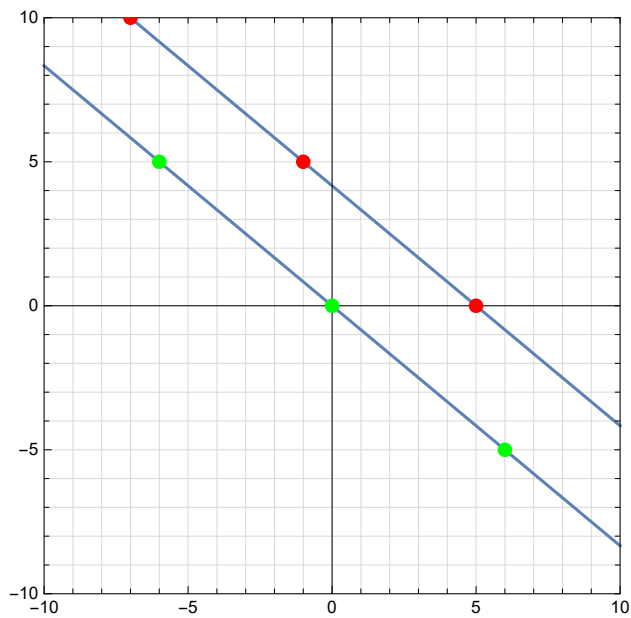
$$6x+5y=0$$



23.

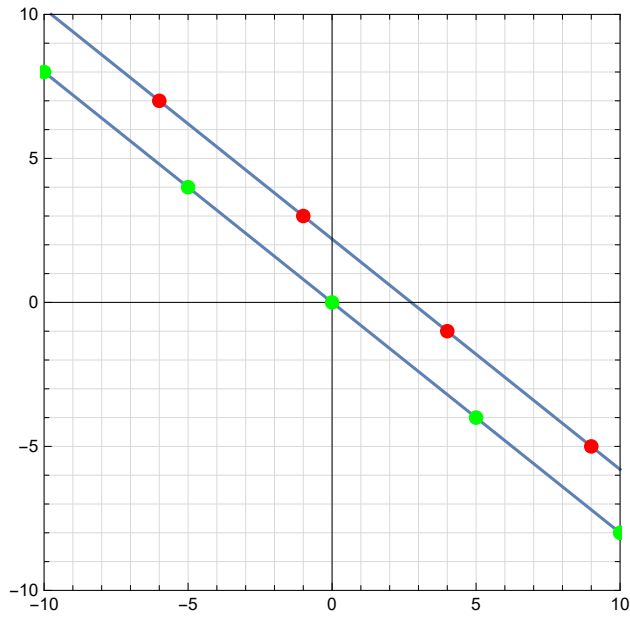
$$5x+6y=25$$

$$5x+6y=0$$



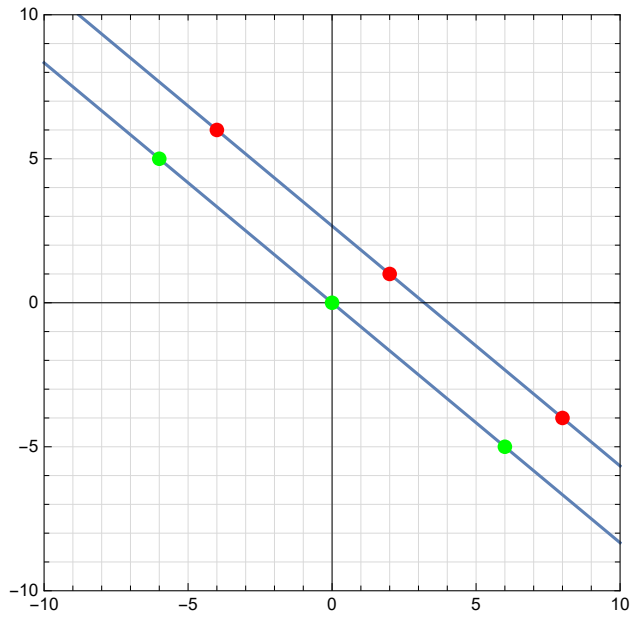
24.

$$4x + 5y = 11$$
$$4x + 5y = 0$$



25.

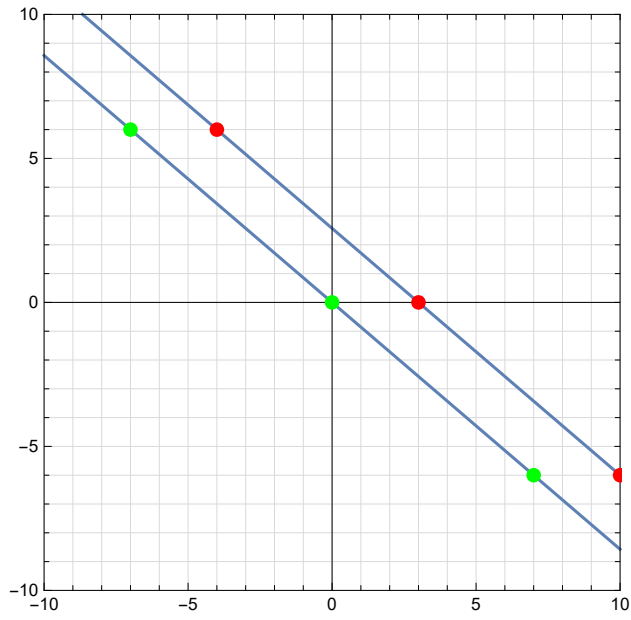
$$5x + 6y = 16$$
$$5x + 6y = 0$$



26.

$$6x + 7y = 18$$

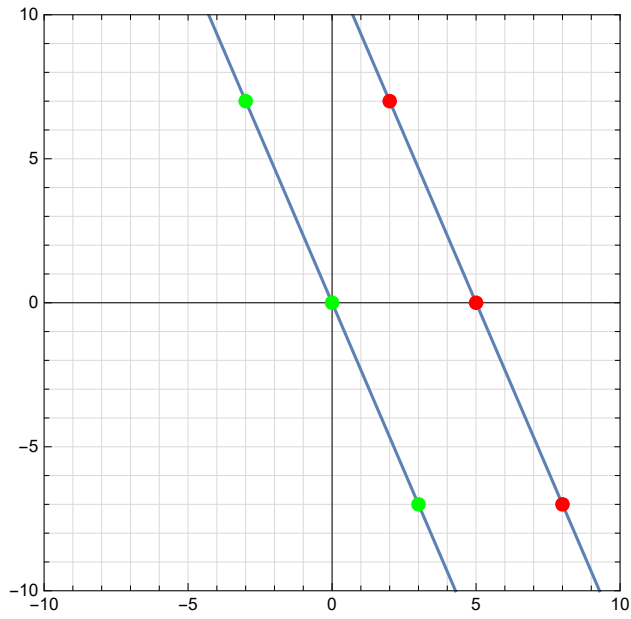
$$6x + 7y = 0$$



27.

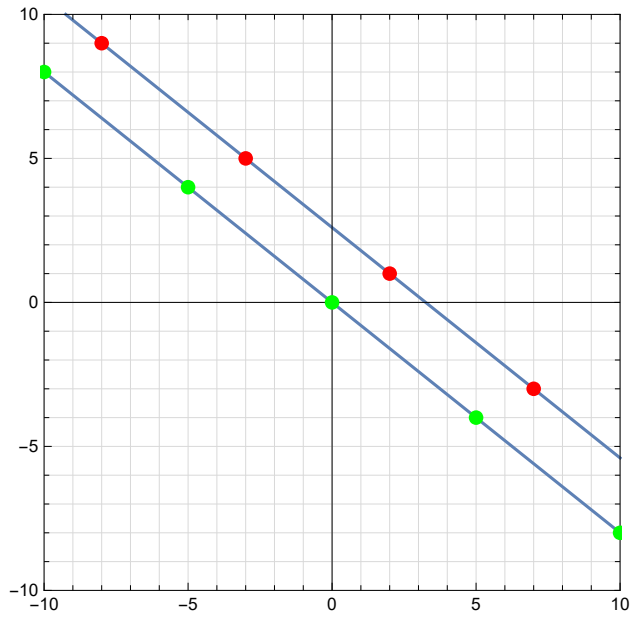
$$7x + 3y = 35$$

$$7x + 3y = 0$$



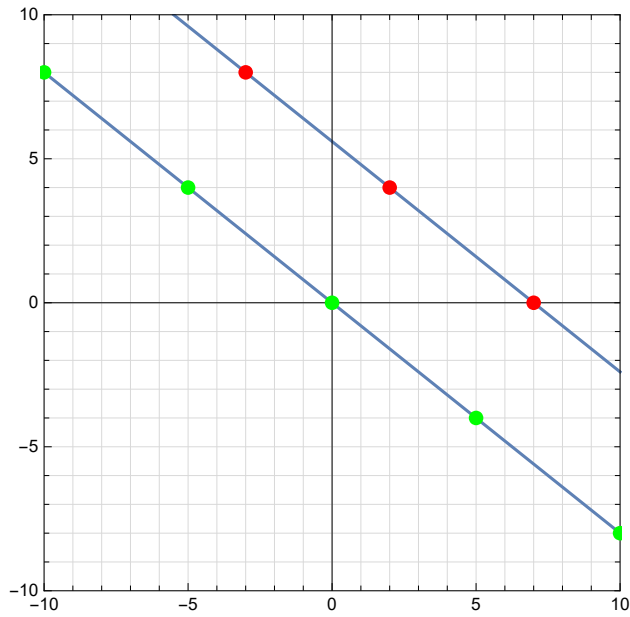
28.

$$4x + 5y = 13$$
$$4x + 5y = 0$$



29.

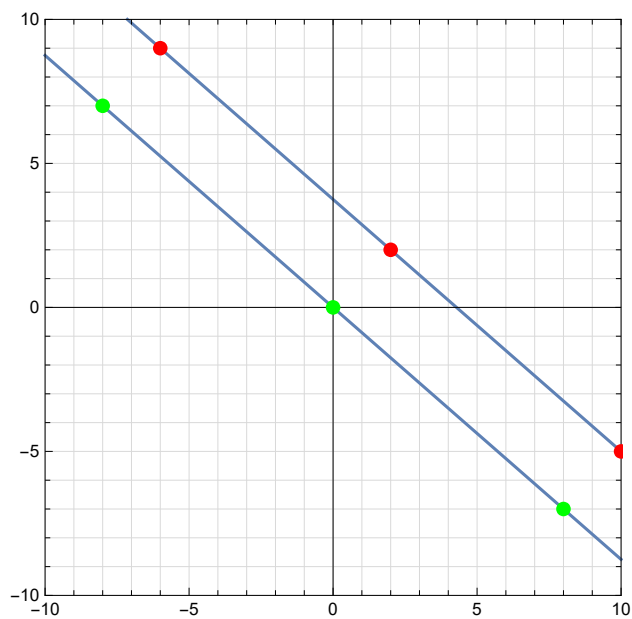
$$4x + 5y = 28$$
$$4x + 5y = 0$$



30.

$$7x+8y=30$$

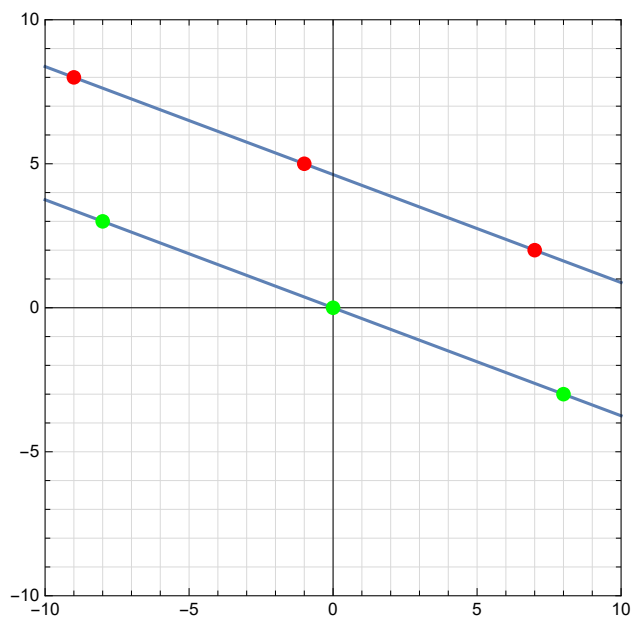
$$7x+8y=0$$



31.

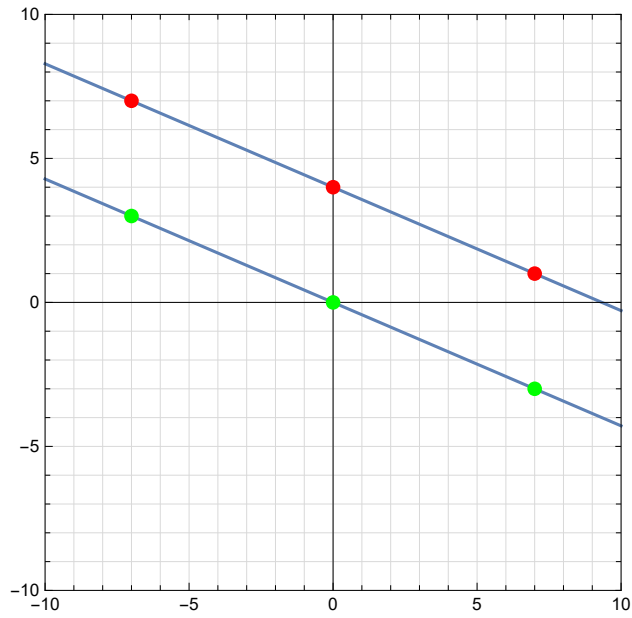
$$3x+8y=37$$

$$3x+8y=0$$



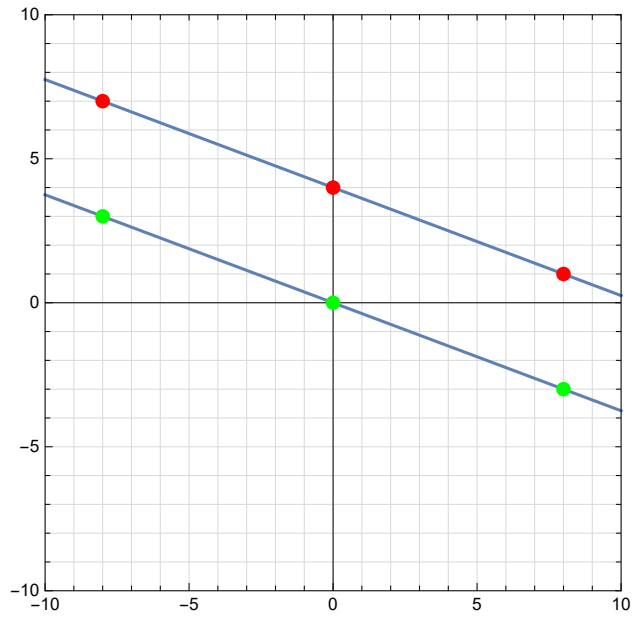
32.

$$\begin{aligned} 3x+7y &= 28 \\ 3x+7y &= 0 \end{aligned}$$



33.

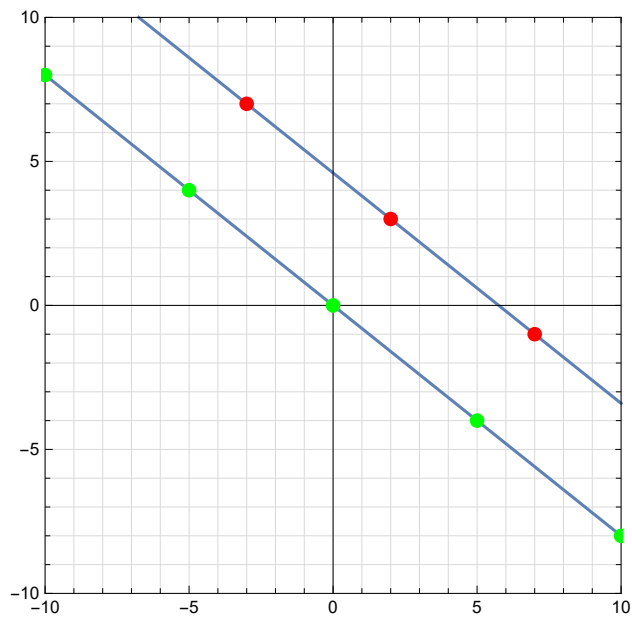
$$\begin{aligned} 3x+8y &= 32 \\ 3x+8y &= 0 \end{aligned}$$



34.

$$4x + 5y = 23$$

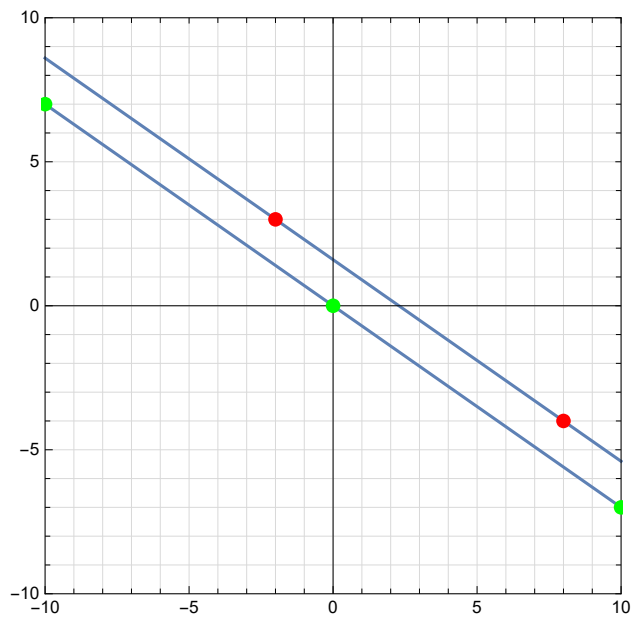
$$4x + 5y = 0$$



35.

$$7x + 10y = 16$$

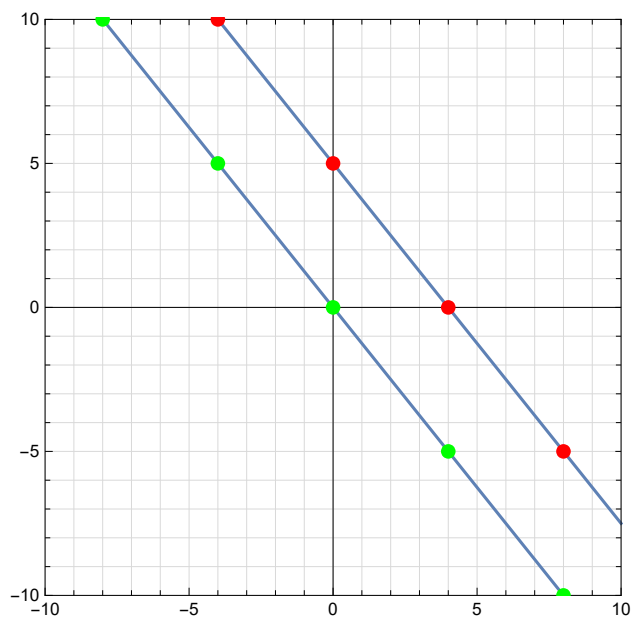
$$7x + 10y = 0$$



36.

$$5x + 4y = 20$$

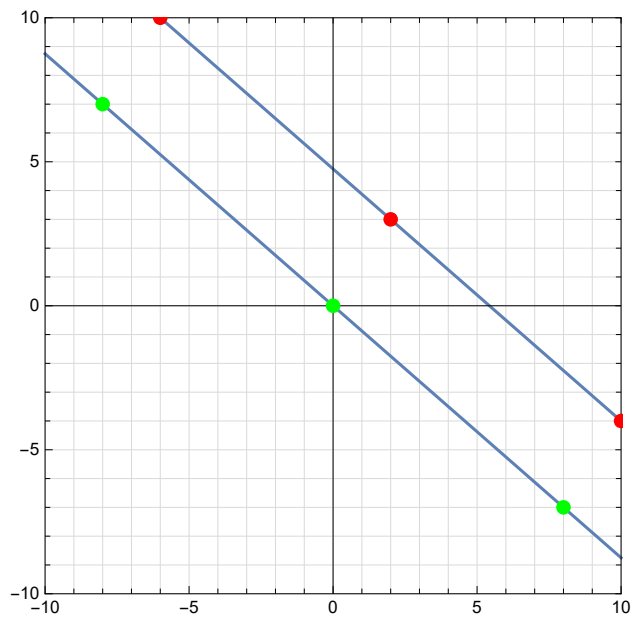
$$5x + 4y = 0$$



37.

$$7x + 8y = 38$$

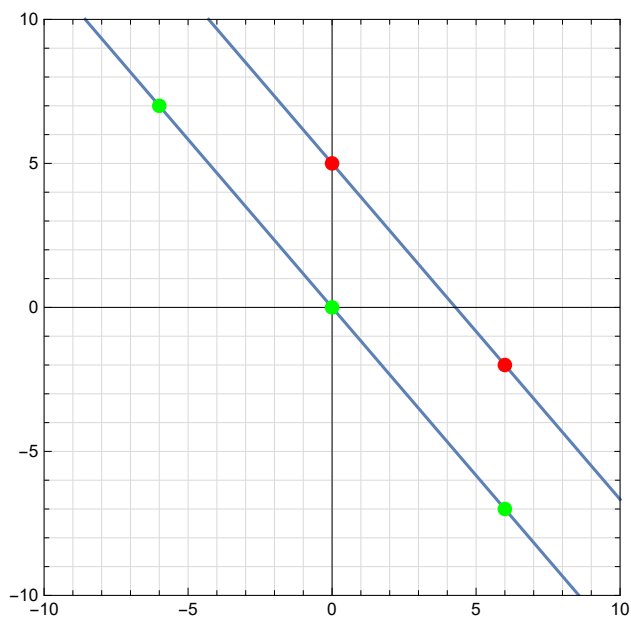
$$7x + 8y = 0$$



38.

$$7x + 6y = 30$$

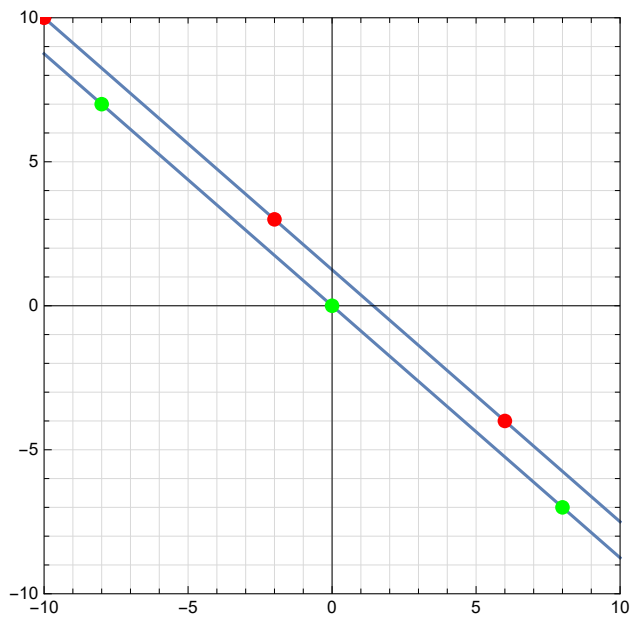
$$7x + 6y = 0$$



39.

$$7x + 8y = 10$$

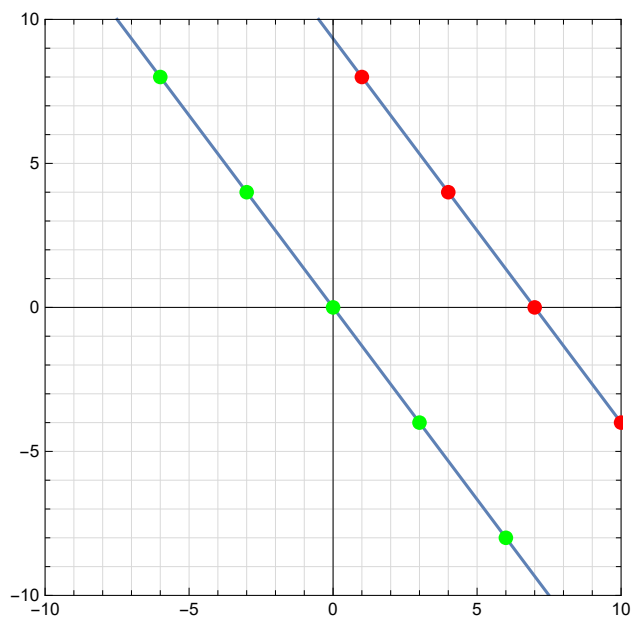
$$7x + 8y = 0$$



40.

$$4x + 3y = 28$$

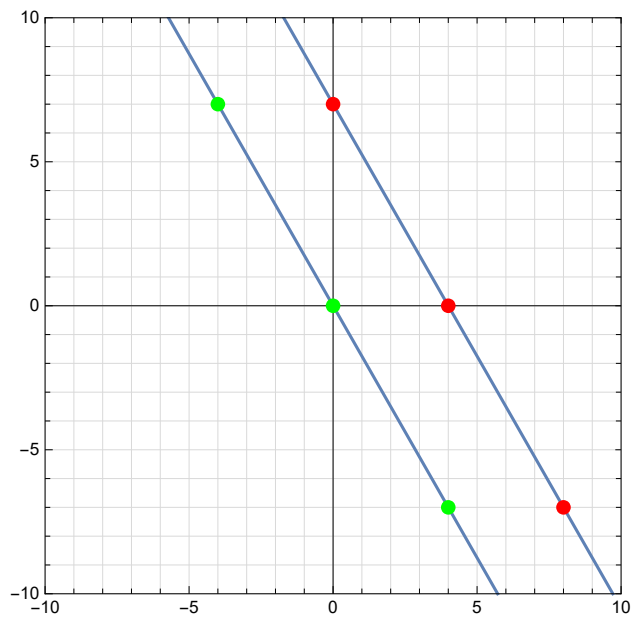
$$4x + 3y = 0$$



41.

$$7x + 4y = 28$$

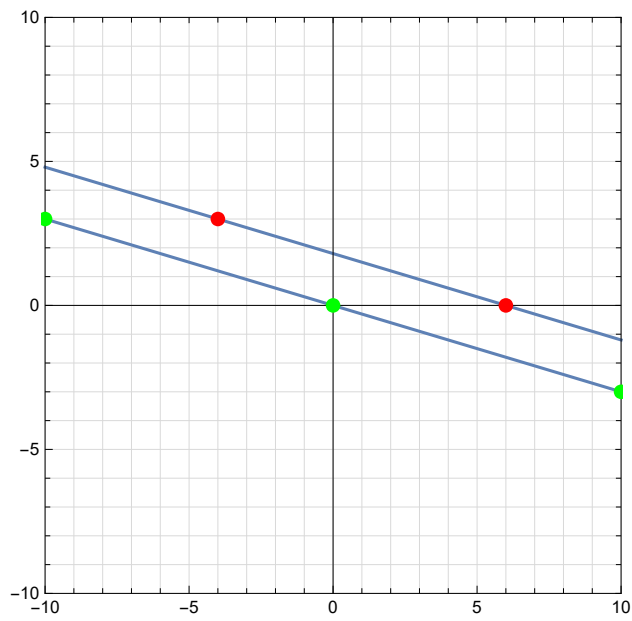
$$7x + 4y = 0$$



42.

$$3x + 10y = 18$$

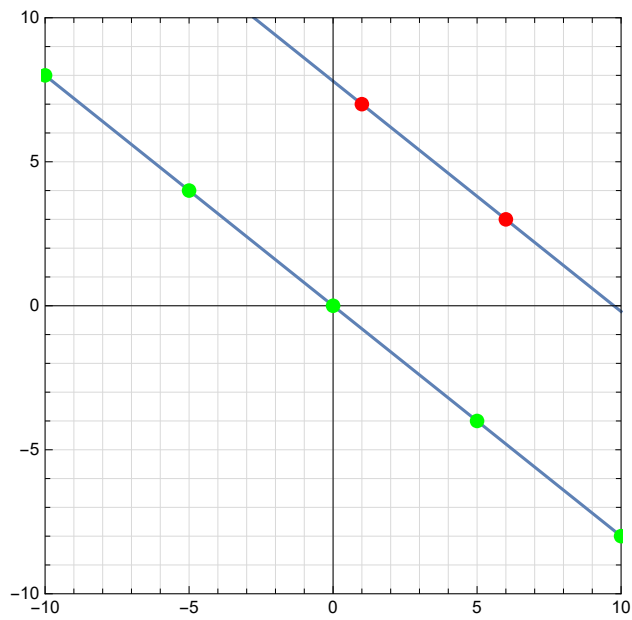
$$3x + 10y = 0$$



43.

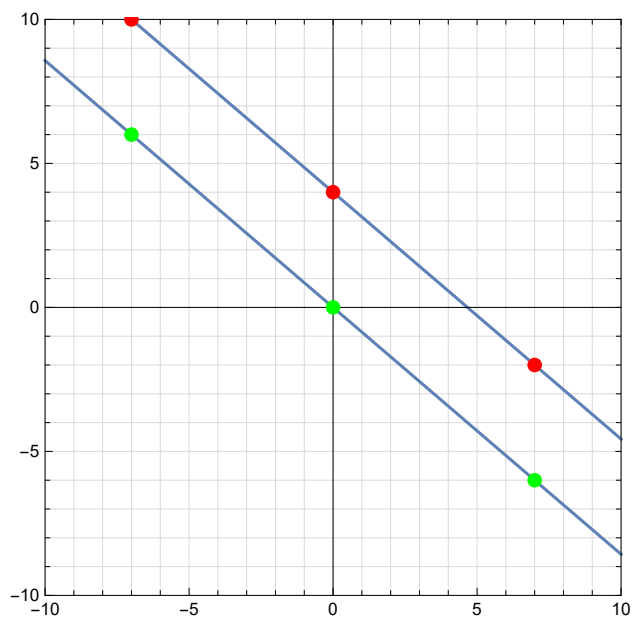
$$4x + 5y = 39$$

$$4x + 5y = 0$$



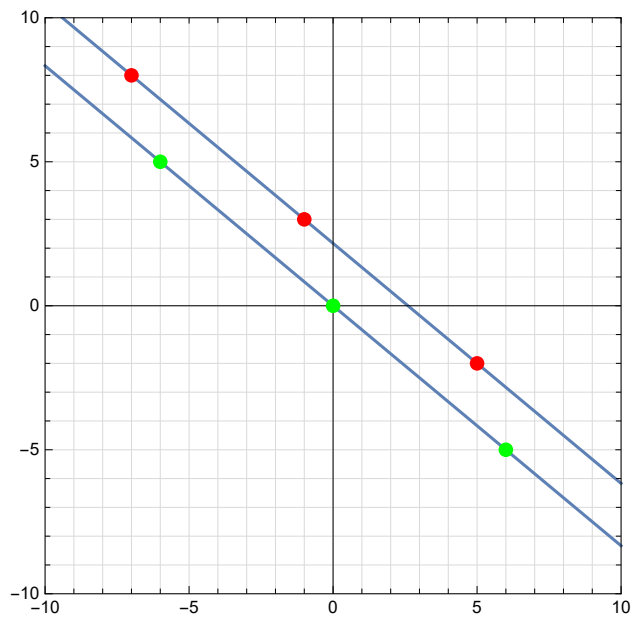
44.

$$6x + 7y = 28$$
$$6x + 7y = 0$$



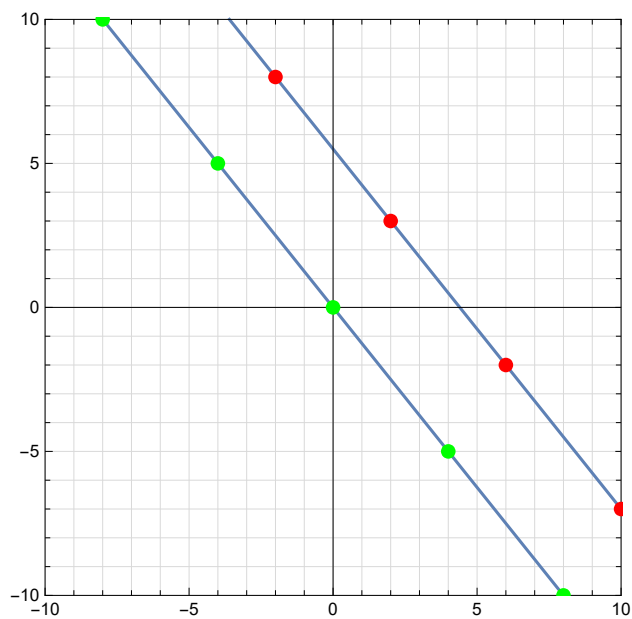
45.

$$5x + 6y = 13$$
$$5x + 6y = 0$$



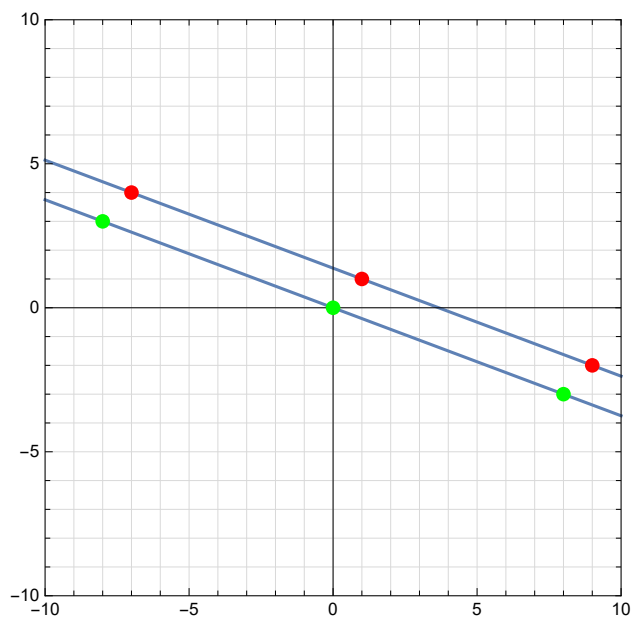
46.

$$\begin{aligned} 5x+4y &= 22 \\ 5x+4y &= 0 \end{aligned}$$



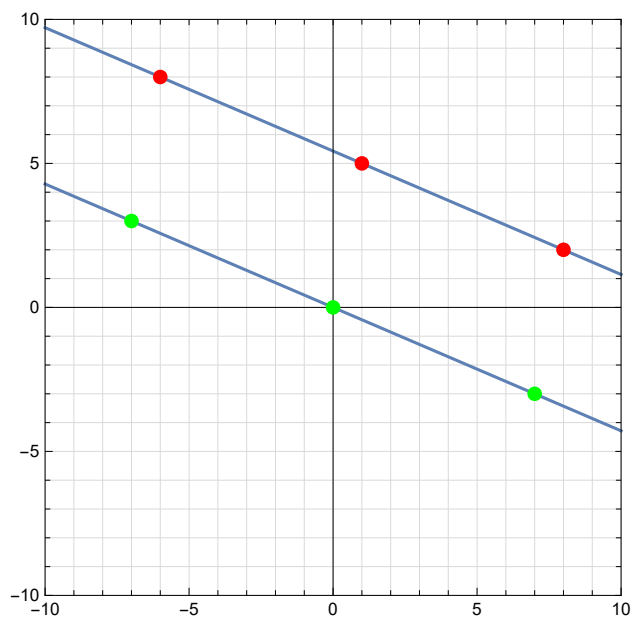
47.

$$\begin{aligned} 3x+8y &= 11 \\ 3x+8y &= 0 \end{aligned}$$



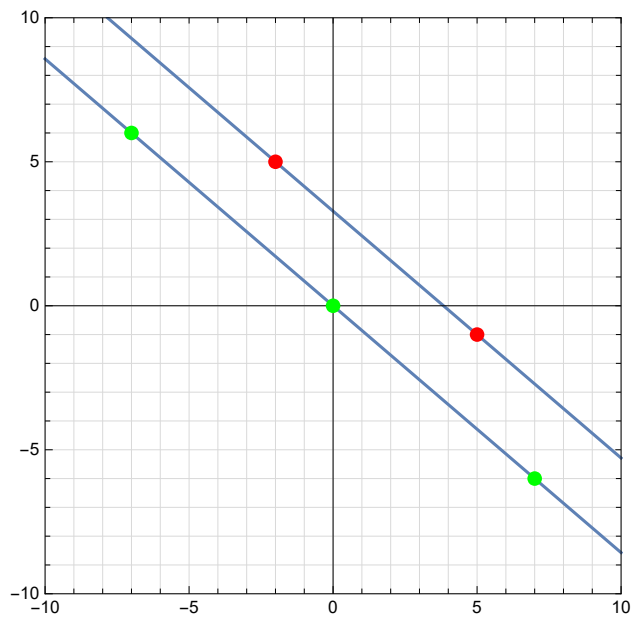
48.

$$\begin{aligned} 3x+7y &= 38 \\ 3x+7y &= 0 \end{aligned}$$



49.

$$\begin{aligned} 6x+7y &= 23 \\ 6x+7y &= 0 \end{aligned}$$



50.

$$5x+6y=30$$

$$5x+6y=0$$

