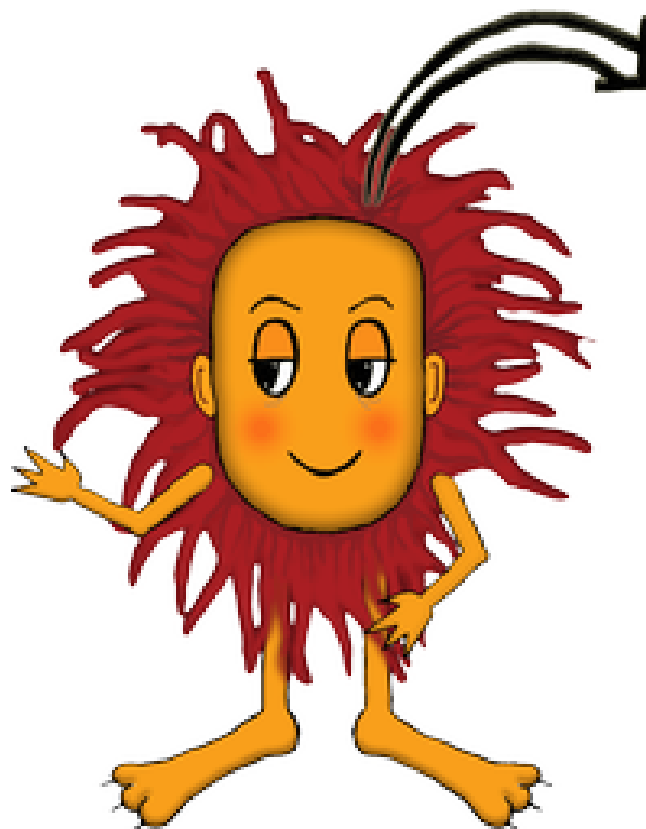


Velika logična pošast



Diofantska enačba in pripadajoča homogena enačba

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

1.

$$3x+4y=20$$

$$3x+4y=0$$

2.

$$6x+7y=26$$

$$6x+7y=0$$

3.

$$3x+4y=23$$

$$3x+4y=0$$

4.

$$4x+5y=39$$

$$4x+5y=0$$

5.

$$4x+7y=20$$

$$4x+7y=0$$

6.

$$4x+5y=37$$

$$4x+5y=0$$

7.

$$3x+4y=40$$

$$3x+4y=0$$

8.

$$7x+8y=22$$

$$7x+8y=0$$

9.

$$6x+7y=30$$

$$6x+7y=0$$

10.

$$5x+2y=16$$

$$5x+2y=0$$

11.

$$3x+8y=29$$

$$3x+8y=0$$

12.

$$5x+2y=12$$

$$5x+2y=0$$

13.

$$3x+7y=26$$

$$3x+7y=0$$

14.

$$6x+7y=28$$

$$6x+7y=0$$

15.

$$7x+2y=26$$

$$7x+2y=0$$

16.

$$4x+5y=17$$

$$4x+5y=0$$

17.

$$7x+2y=16$$

$$7x+2y=0$$

18.

$$7x+4y=24$$

$$7x+4y=0$$

19.

$$5x+8y=18$$

$$5x+8y=0$$

20.

$$6x+7y=27$$

$$6x+7y=0$$

21.

$$3x+7y=22$$

$$3x+7y=0$$

22.

$$4x+5y=27$$

$$4x+5y=0$$

23.

$$5x+9y=13$$

$$5x+9y=0$$

24.

$$7x+8y=23$$

$$7x+8y=0$$

25.

$$3x+5y=38$$

$$3x+5y=0$$

26.

$$7x+10y=39$$

$$7x+10y=0$$

27.

$$3x+4y=16$$

$$3x+4y=0$$

28.

$$7x+4y=17$$

$$7x+4y=0$$

29.

$$6x+7y=16$$

$$6x+7y=0$$

30.

$$4x+5y=31$$

$$4x+5y=0$$

31.

$$7x+4y=36$$

$$7x+4y=0$$

32.

$$3x+5y=36$$

$$3x+5y=0$$

33.

$$6x+7y=12$$

$$6x+7y=0$$

34.

$$4x+9y=23$$

$$4x+9y=0$$

35.

$$7x+2y=26$$

$$7x+2y=0$$

36.

$$4x+5y=30$$

$$4x+5y=0$$

37.

$$3x+2y=29$$

$$3x+2y=0$$

38.

$$7x+8y=16$$

$$7x+8y=0$$

39.

$$6x+7y=15$$

$$6x+7y=0$$

40.

$$4x+5y=15$$

$$4x+5y=0$$

41.

$$7x+10y=20$$

$$7x+10y=0$$

42.

$$3x+8y=32$$

$$3x+8y=0$$

43.

$$3x+4y=21$$

$$3x+4y=0$$

44.

$$4x+3y=17$$

$$4x+3y=0$$

45.

$$6x+7y=18$$

$$6x+7y=0$$

46.

$$4x+3y=17$$

$$4x+3y=0$$

47.

$$4x+5y=11$$

$$4x+5y=0$$

48.

$$4x+5y=39$$

$$4x+5y=0$$

49.

$$3x+2y=36$$

$$3x+2y=0$$

50.

$$7x+10y=21$$

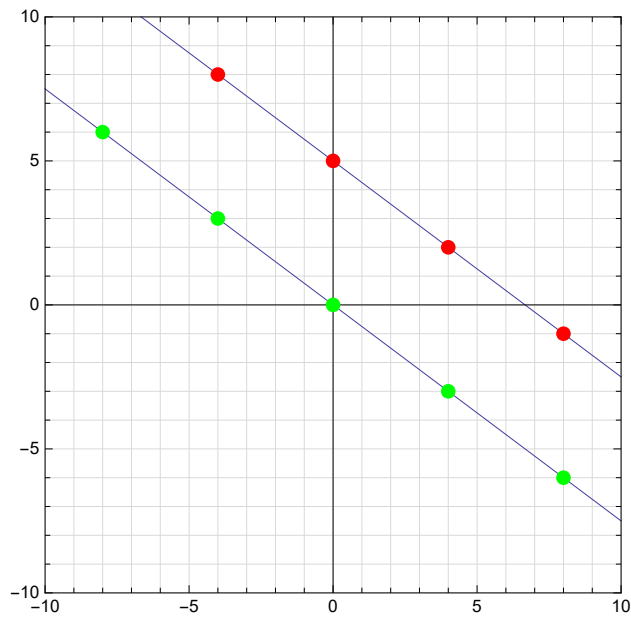
$$7x+10y=0$$

Rešitve:

1.

$$3x+4y=20$$

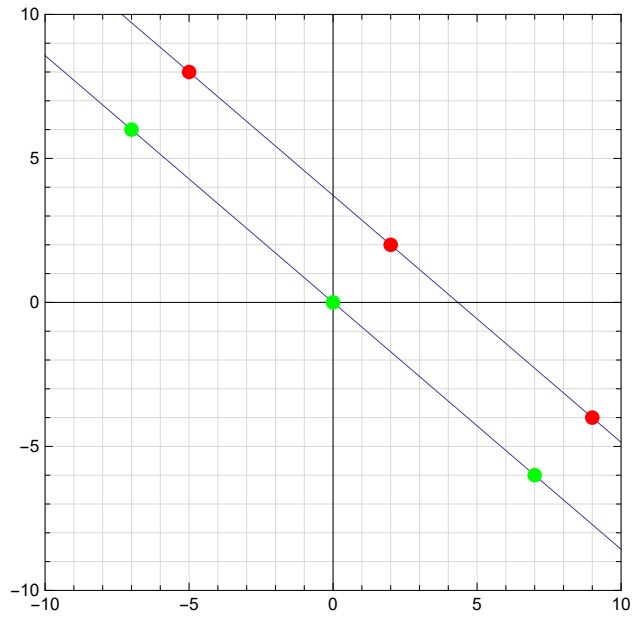
$$3x+4y=0$$



2.

$$6x + 7y = 26$$

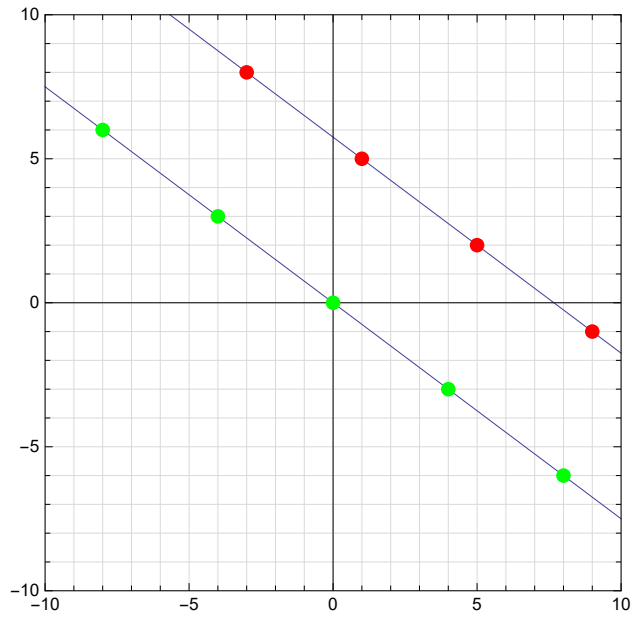
$$6x + 7y = 0$$



3.

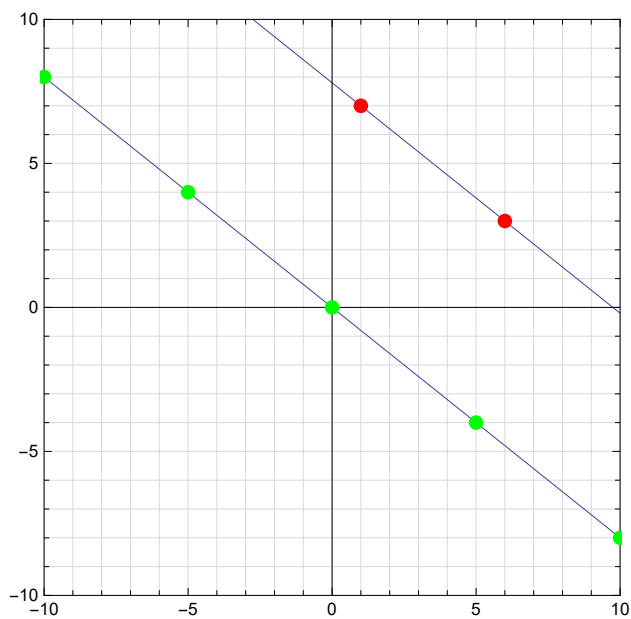
$$3x + 4y = 23$$

$$3x + 4y = 0$$



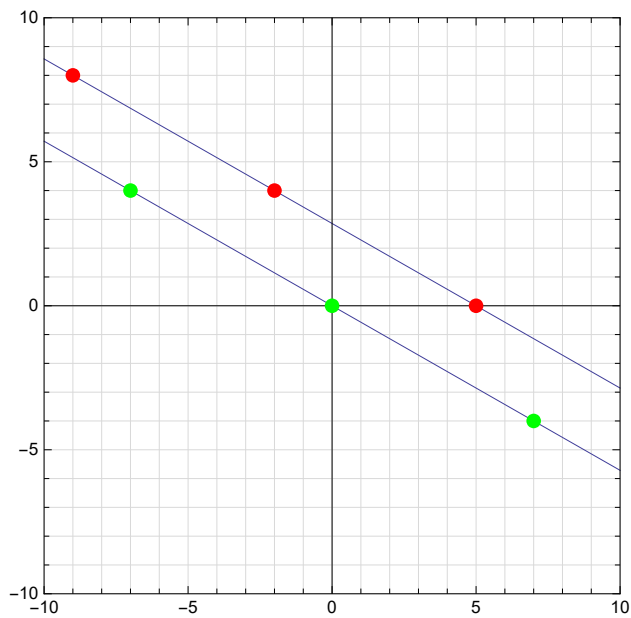
4.

$$4x + 5y = 39$$
$$4x + 5y = 0$$



5.

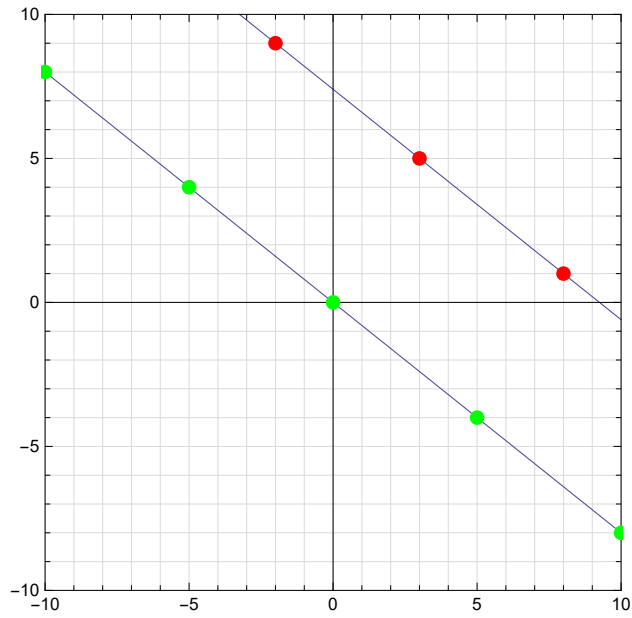
$$4x + 7y = 20$$
$$4x + 7y = 0$$



6.

$$4x + 5y = 37$$

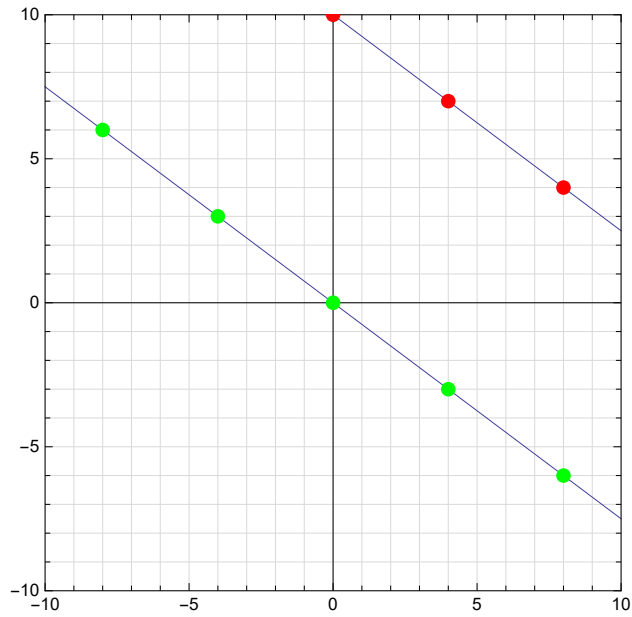
$$4x + 5y = 0$$



7.

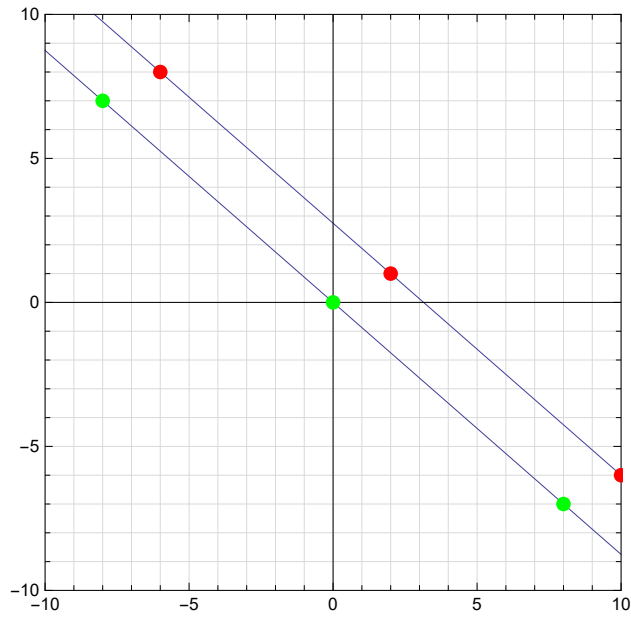
$$3x + 4y = 40$$

$$3x + 4y = 0$$



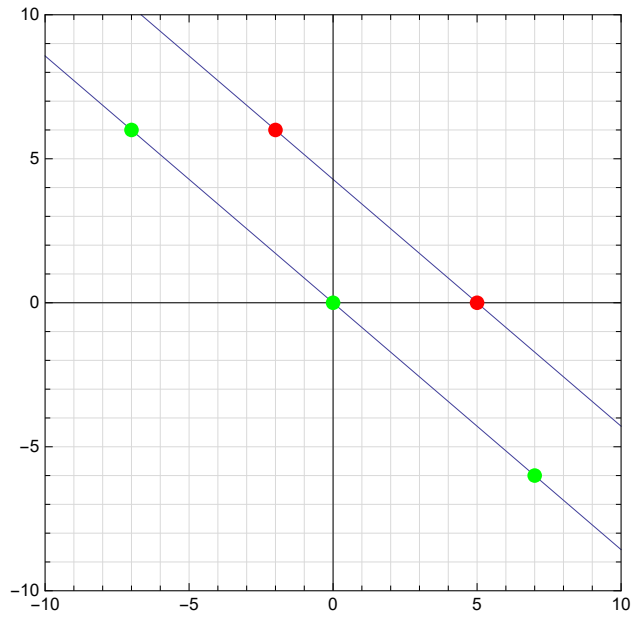
8.

$$\begin{aligned} 7x+8y &= 22 \\ 7x+8y &= 0 \end{aligned}$$



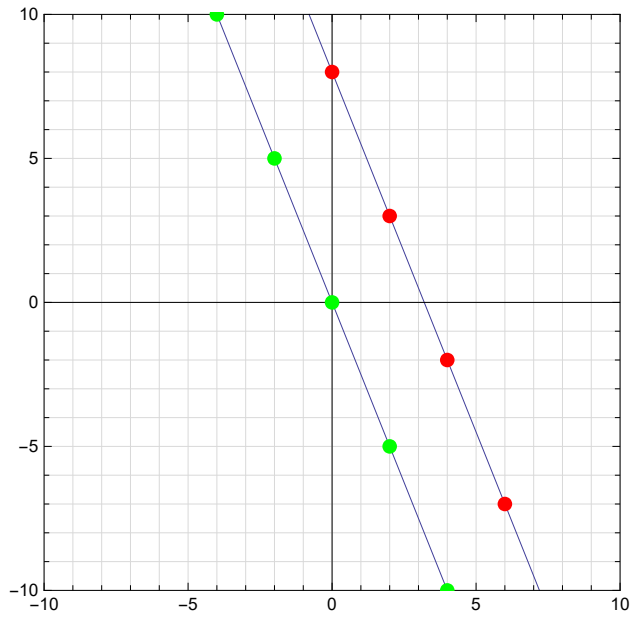
9.

$$\begin{aligned} 6x+7y &= 30 \\ 6x+7y &= 0 \end{aligned}$$



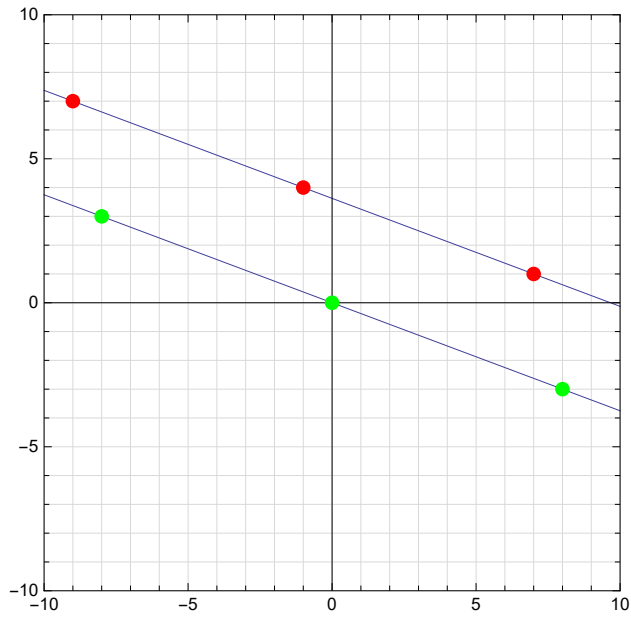
10.

$$\begin{aligned} 5x+2y &= 16 \\ 5x+2y &= 0 \end{aligned}$$



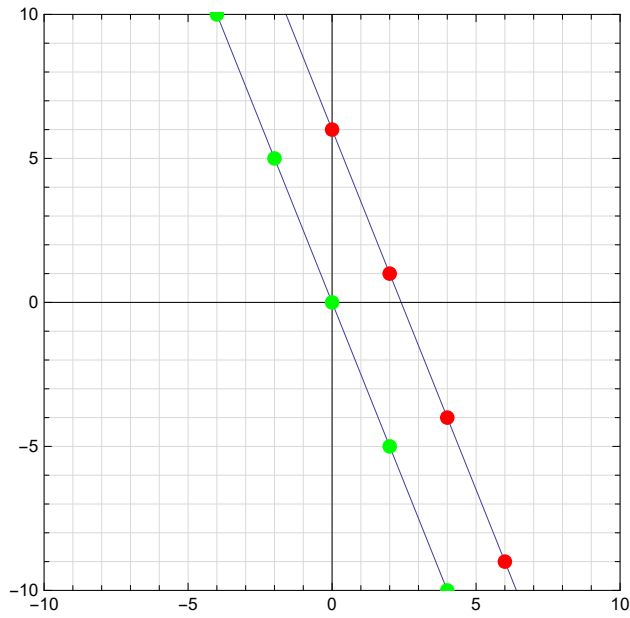
11.

$$\begin{aligned} 3x+8y &= 29 \\ 3x+8y &= 0 \end{aligned}$$



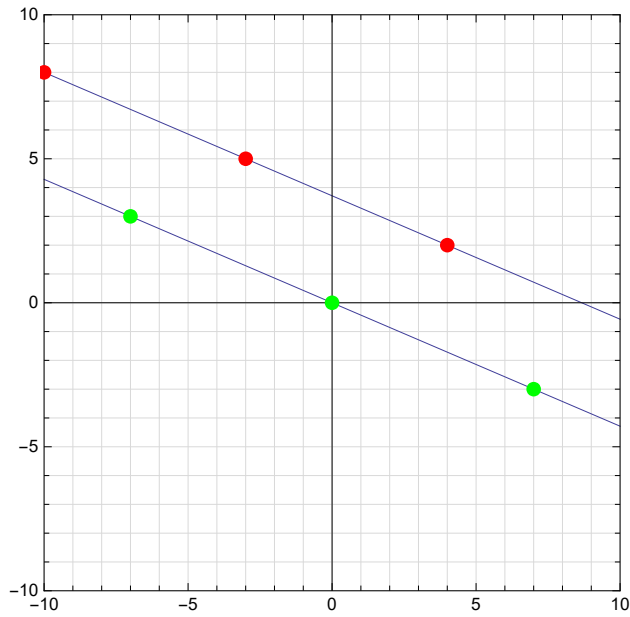
12.

$$5x + 2y = 12$$
$$5x + 2y = 0$$



13.

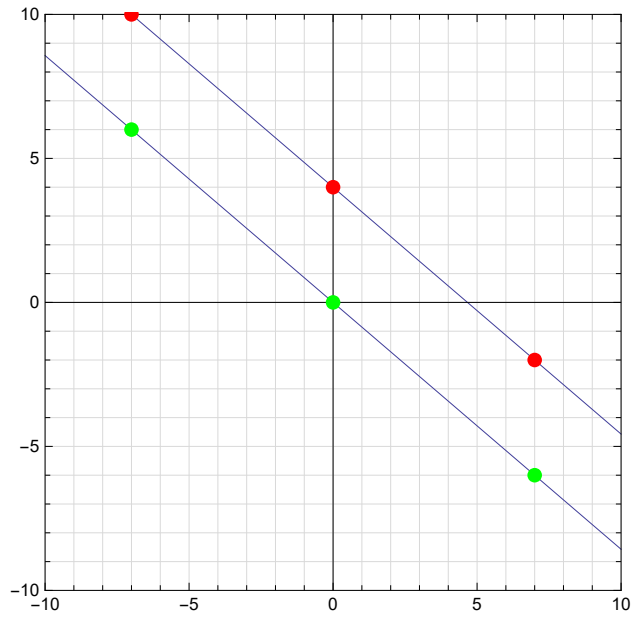
$$3x + 7y = 26$$
$$3x + 7y = 0$$



14.

$$6x + 7y = 28$$

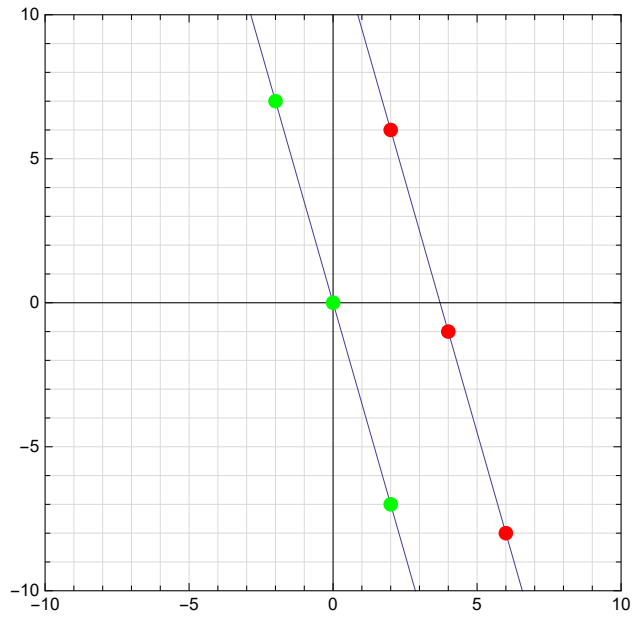
$$6x + 7y = 0$$



15.

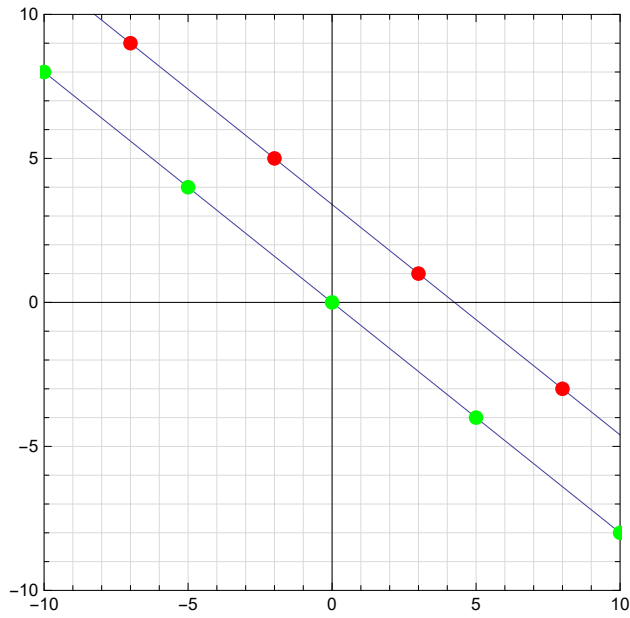
$$7x + 2y = 26$$

$$7x + 2y = 0$$



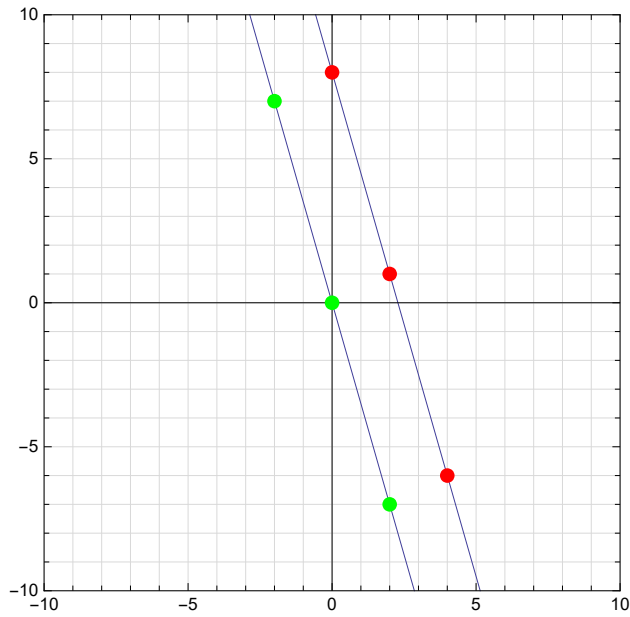
16.

$$4x + 5y = 17$$
$$4x + 5y = 0$$



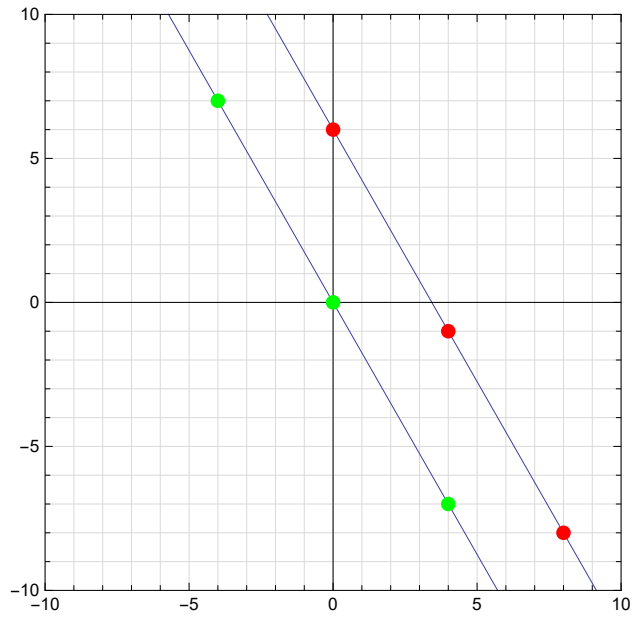
17.

$$7x + 2y = 16$$
$$7x + 2y = 0$$



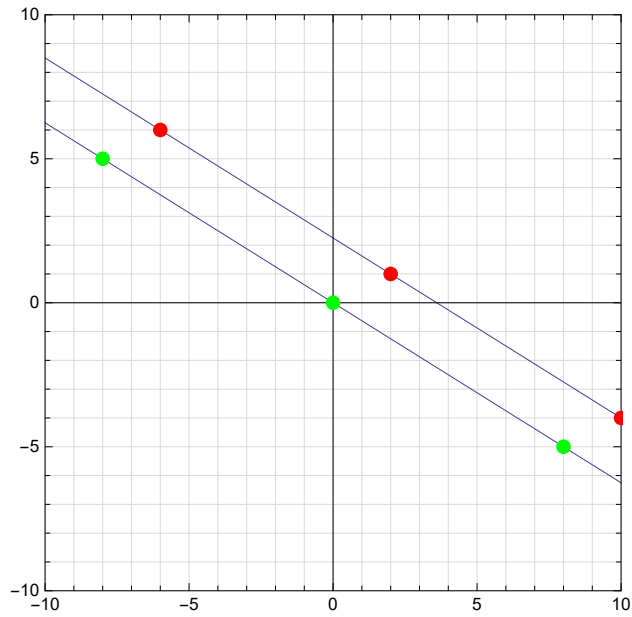
18.

$$\begin{aligned} 7x+4y &= 24 \\ 7x+4y &= 0 \end{aligned}$$



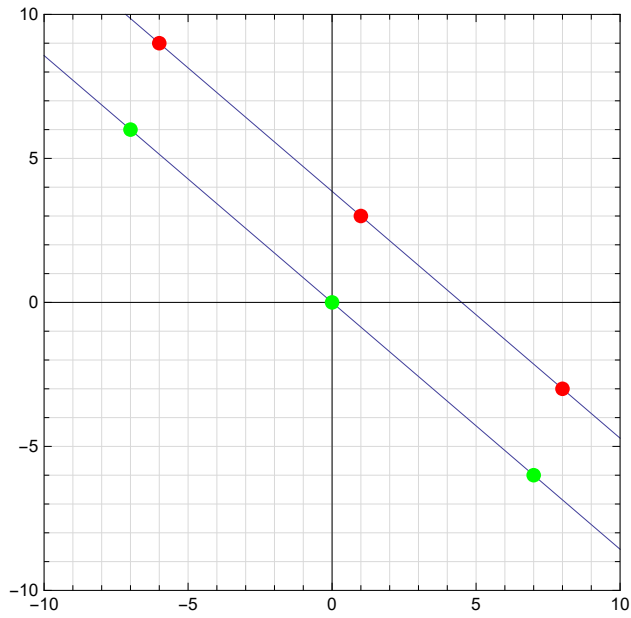
19.

$$\begin{aligned} 5x+8y &= 18 \\ 5x+8y &= 0 \end{aligned}$$



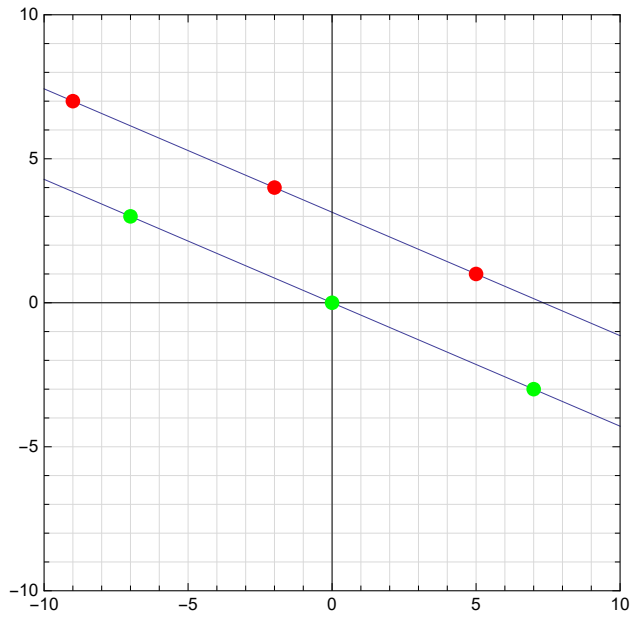
20.

$$6x + 7y = 27$$
$$6x + 7y = 0$$



21.

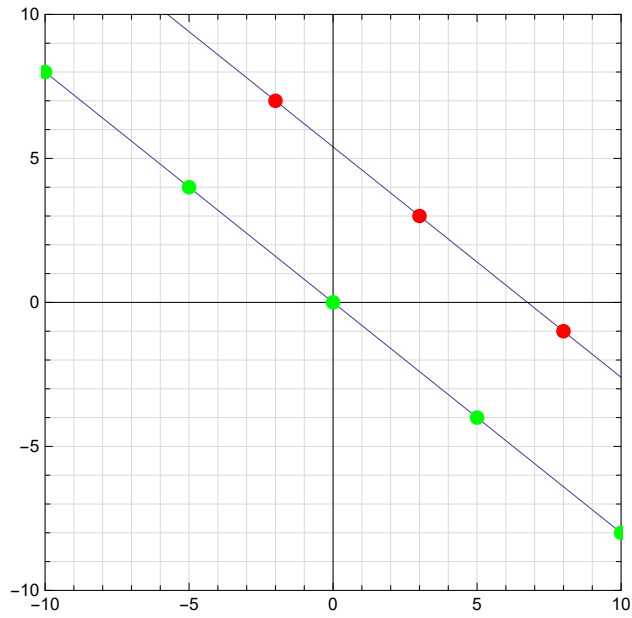
$$3x + 7y = 22$$
$$3x + 7y = 0$$



22.

$$4x + 5y = 27$$

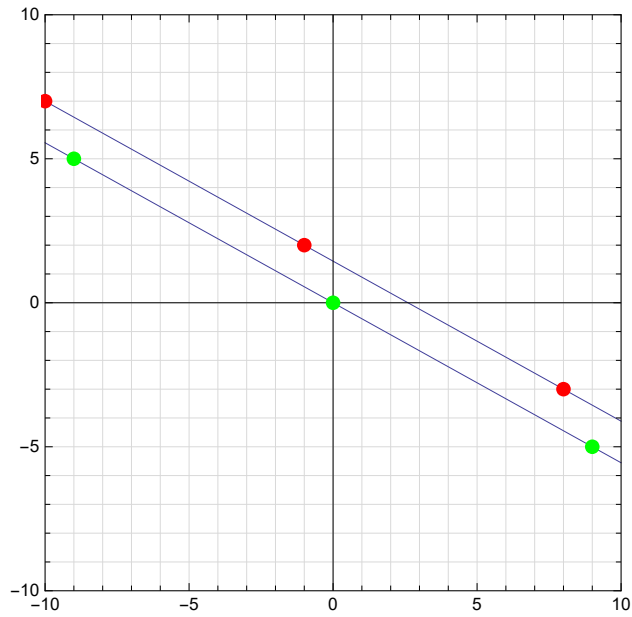
$$4x + 5y = 0$$



23.

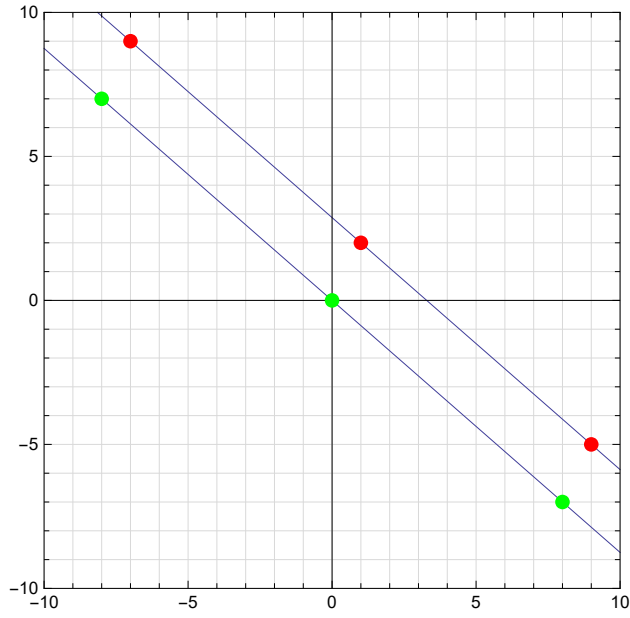
$$5x + 9y = 13$$

$$5x + 9y = 0$$



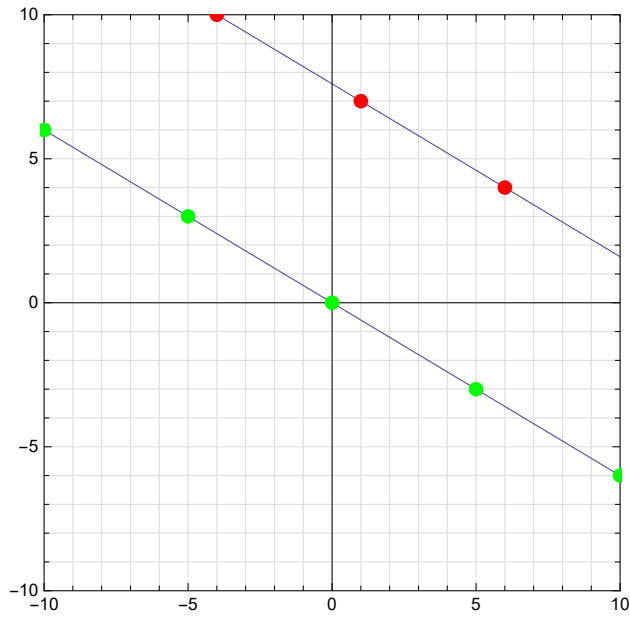
24.

$$\begin{aligned} 7x+8y &= 23 \\ 7x+8y &= 0 \end{aligned}$$



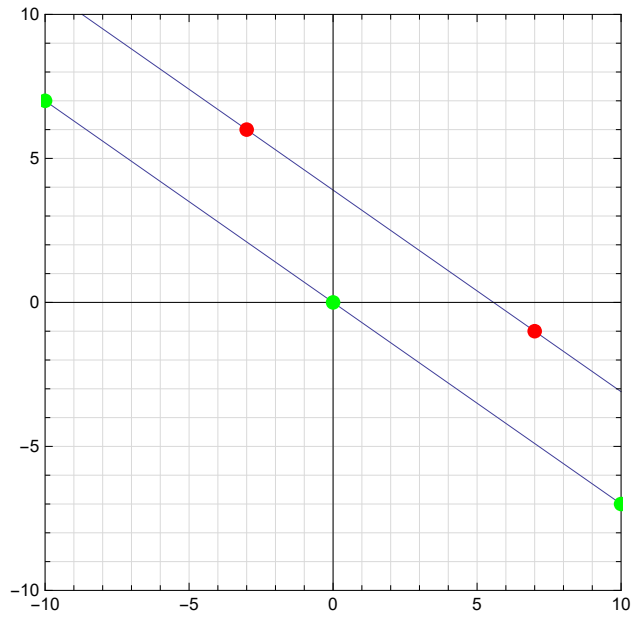
25.

$$\begin{aligned} 3x+5y &= 38 \\ 3x+5y &= 0 \end{aligned}$$



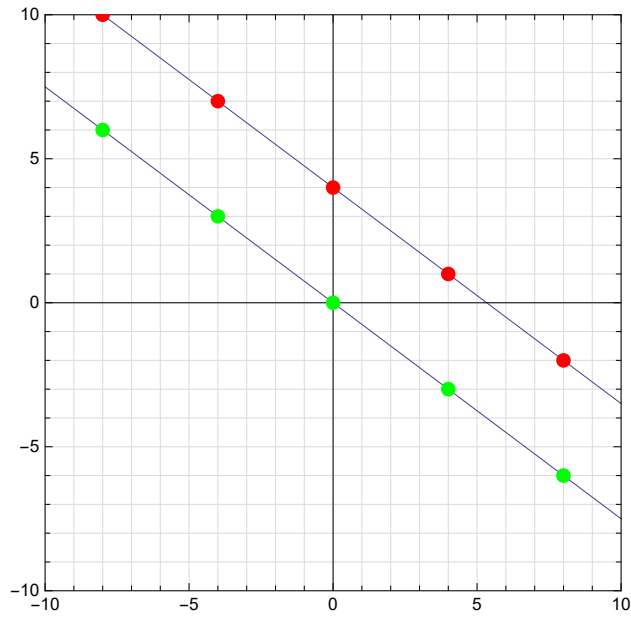
26.

$$\begin{aligned} 7x + 10y &= 39 \\ 7x + 10y &= 0 \end{aligned}$$



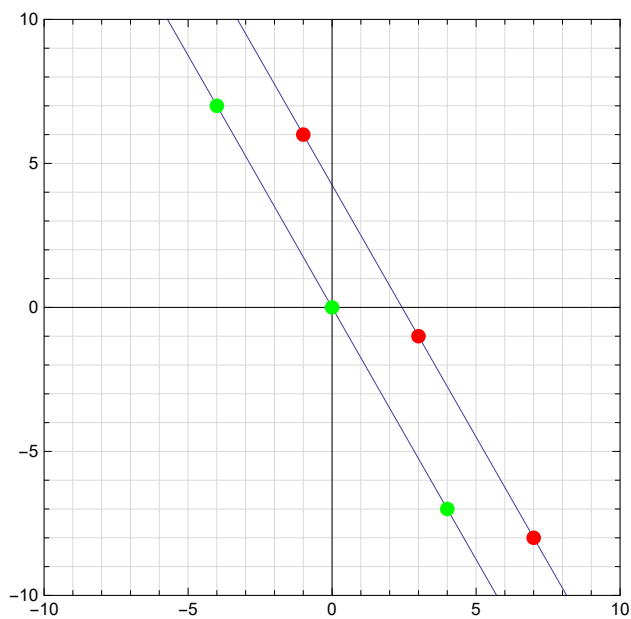
27.

$$\begin{aligned} 3x + 4y &= 16 \\ 3x + 4y &= 0 \end{aligned}$$



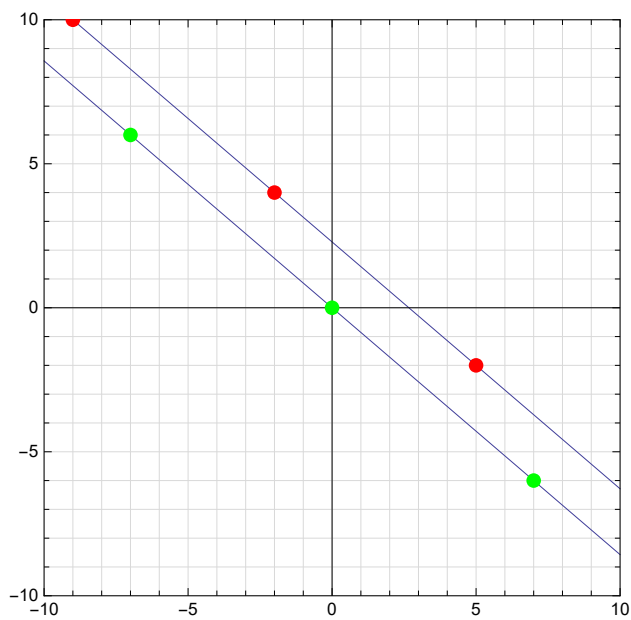
28.

$$7x+4y=17$$
$$7x+4y=0$$



29.

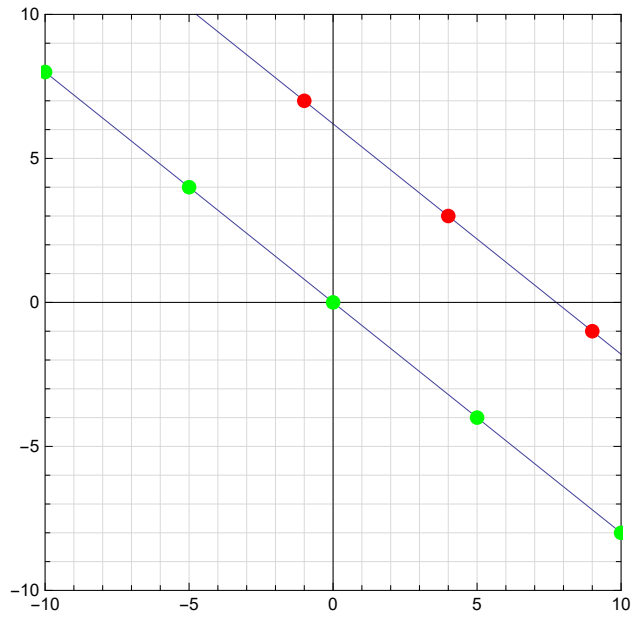
$$6x+7y=16$$
$$6x+7y=0$$



30.

$$4x + 5y = 31$$

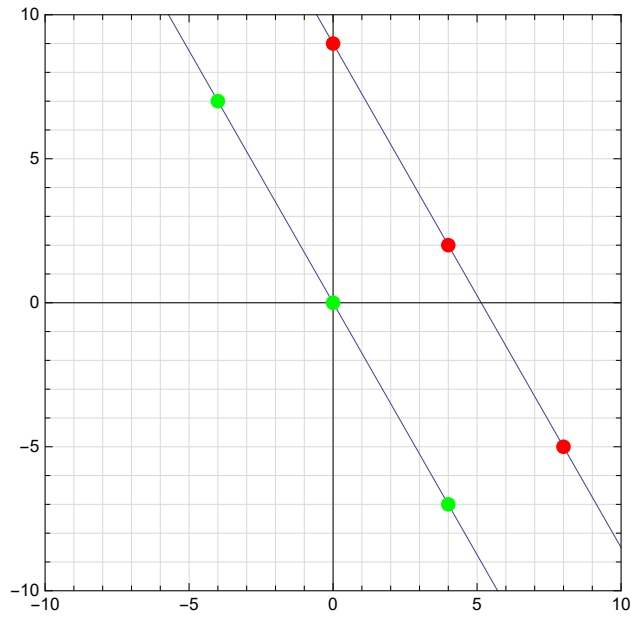
$$4x + 5y = 0$$



31.

$$7x + 4y = 36$$

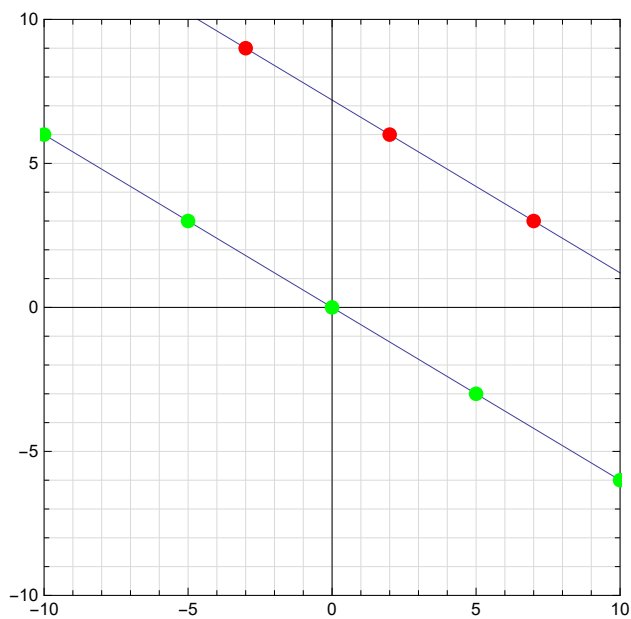
$$7x + 4y = 0$$



32.

$$3x+5y = 36$$

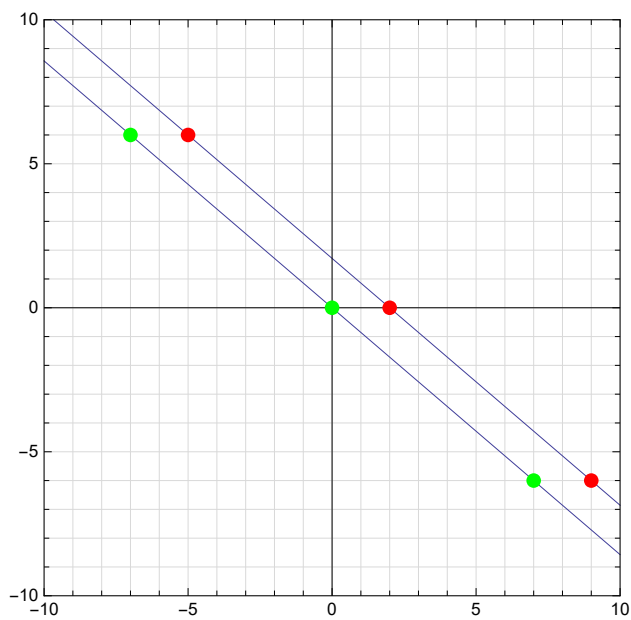
$$3x+5y = 0$$



33.

$$6x+7y = 12$$

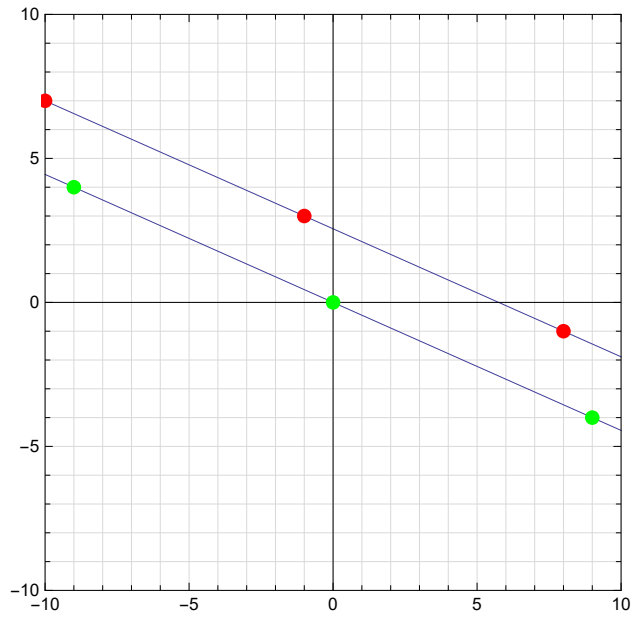
$$6x+7y = 0$$



34.

$$4x + 9y = 23$$

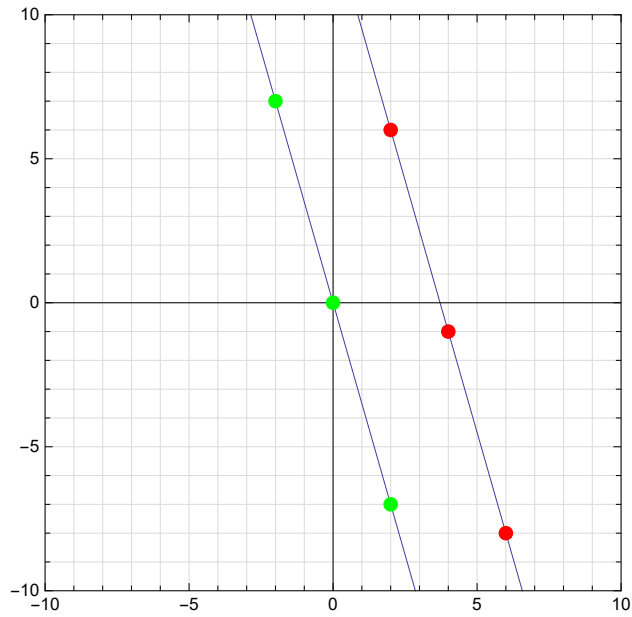
$$4x + 9y = 0$$



35.

$$7x + 2y = 26$$

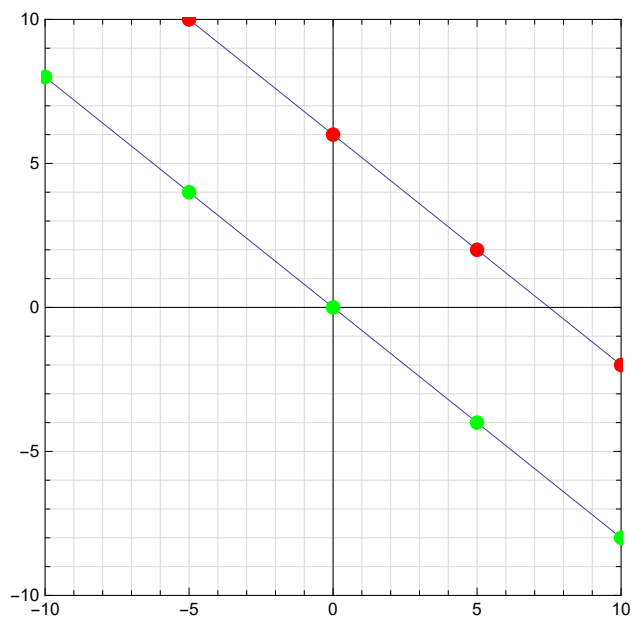
$$7x + 2y = 0$$



36.

$$4x + 5y = 30$$

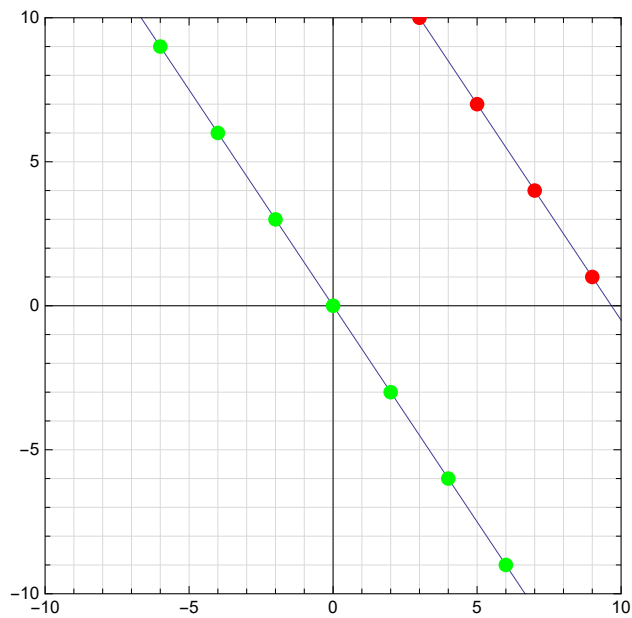
$$4x + 5y = 0$$



37.

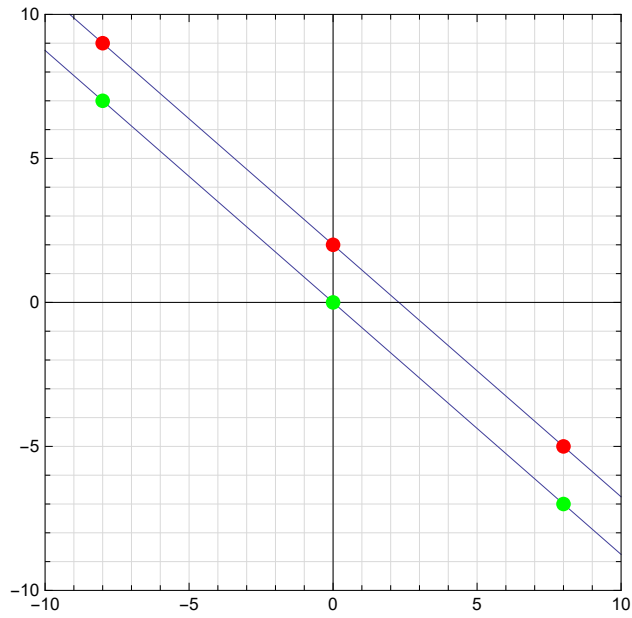
$$3x + 2y = 29$$

$$3x + 2y = 0$$



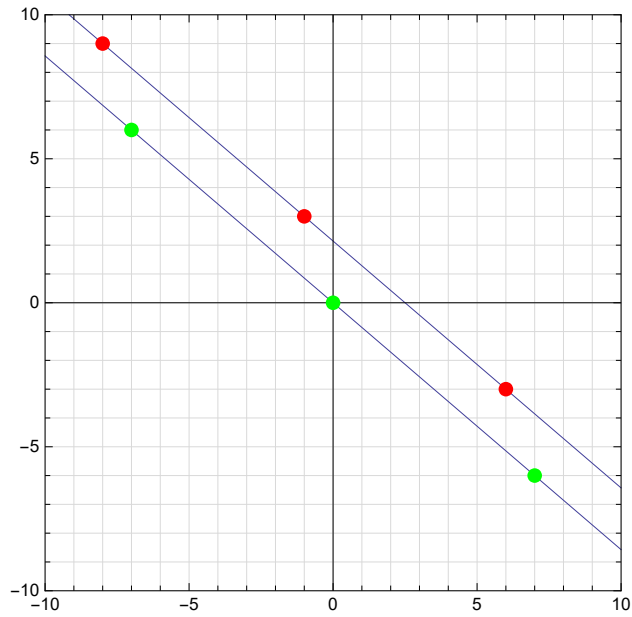
38.

$$\begin{aligned} 7x+8y &= 16 \\ 7x+8y &= 0 \end{aligned}$$



39.

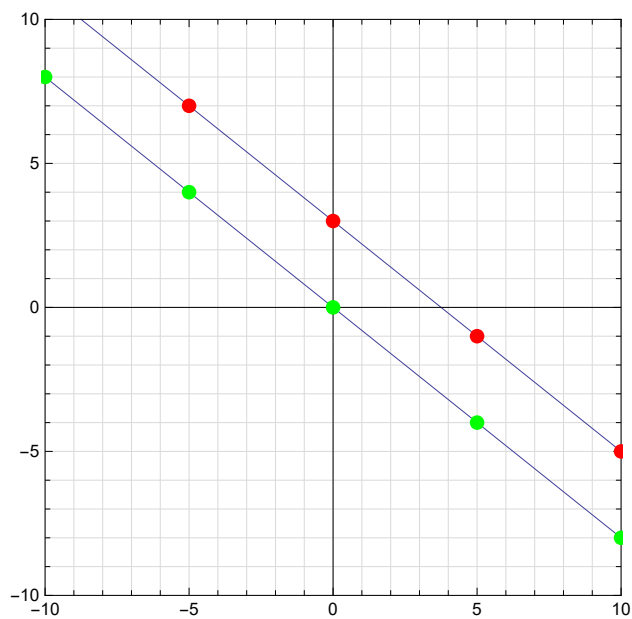
$$\begin{aligned} 6x+7y &= 15 \\ 6x+7y &= 0 \end{aligned}$$



40.

$$4x + 5y = 15$$

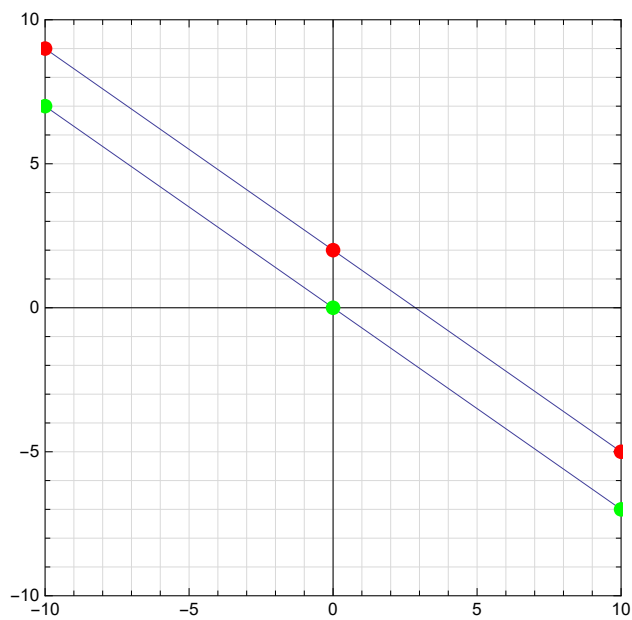
$$4x + 5y = 0$$



41.

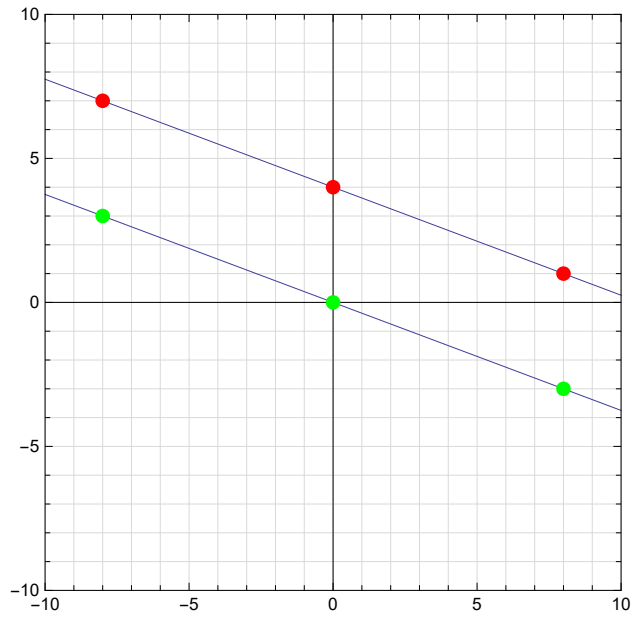
$$7x + 10y = 20$$

$$7x + 10y = 0$$



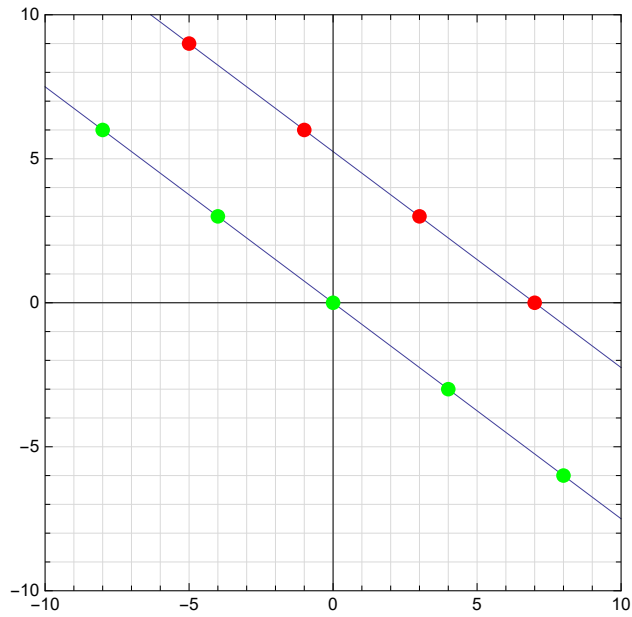
42.

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



43.

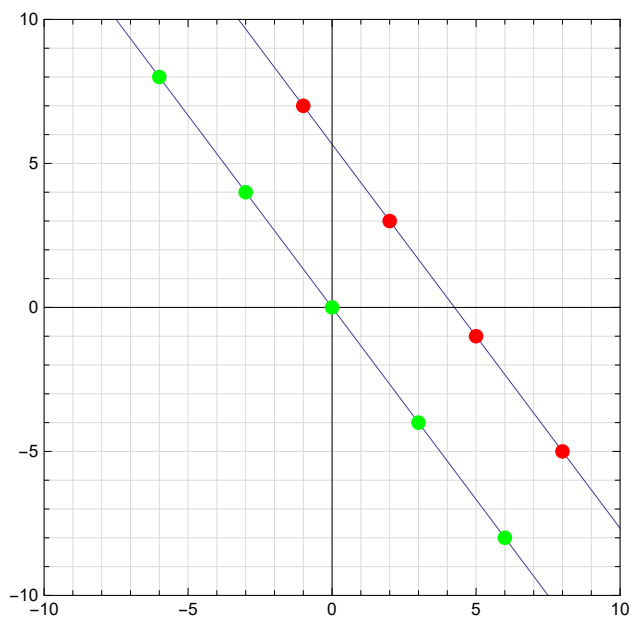
$$\begin{aligned} 3x+4y &= 21 \\ 3x+4y &= 0 \end{aligned}$$



44.

$$4x + 3y = 17$$

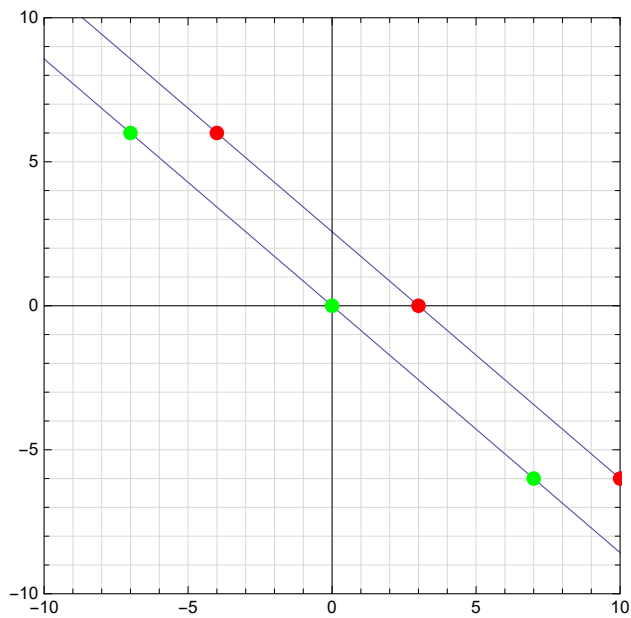
$$4x + 3y = 0$$



45.

$$6x + 7y = 18$$

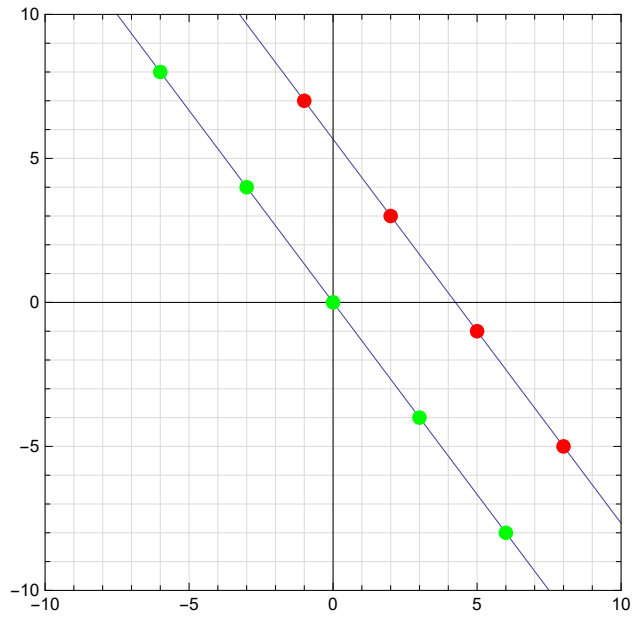
$$6x + 7y = 0$$



46.

$$4x + 3y = 17$$

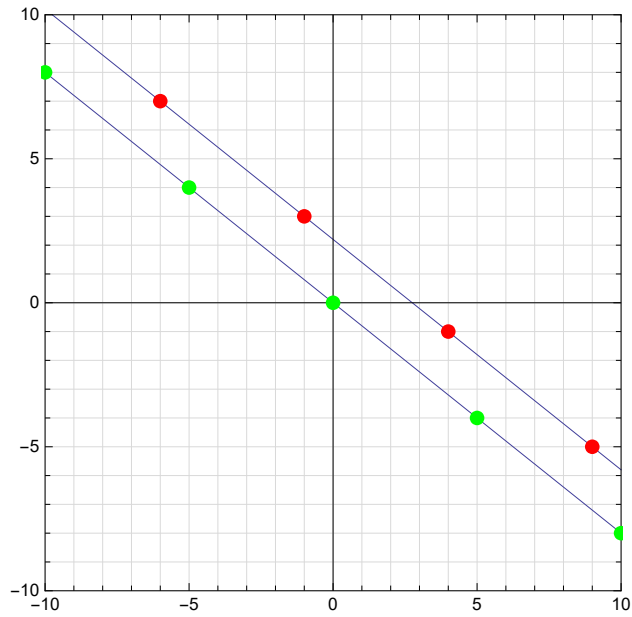
$$4x + 3y = 0$$



47.

$$4x + 5y = 11$$

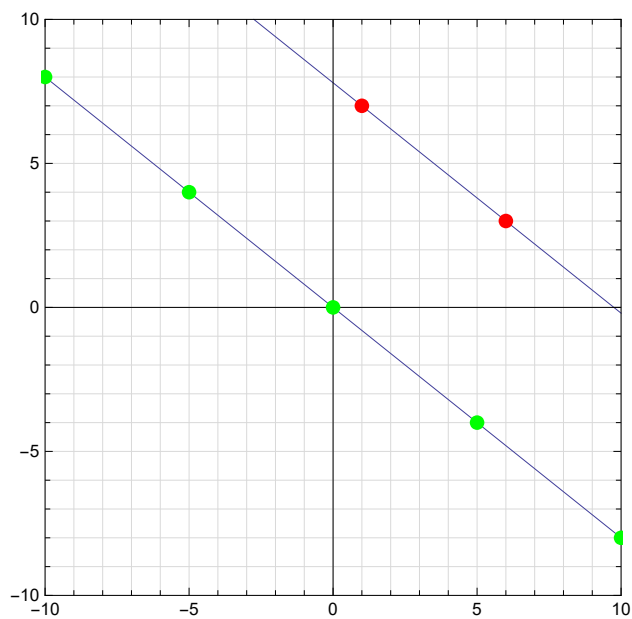
$$4x + 5y = 0$$



48.

$$4x + 5y = 39$$

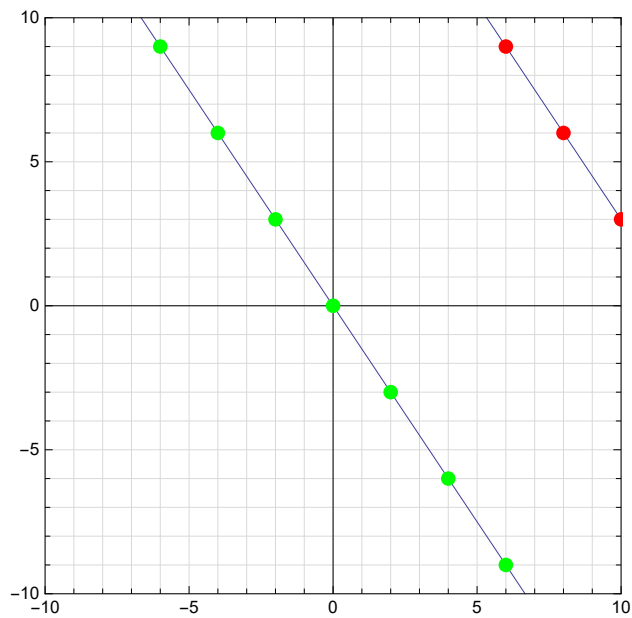
$$4x + 5y = 0$$



49.

$$3x + 2y = 36$$

$$3x + 2y = 0$$



50.

$$7x + 10y = 21$$

$$7x + 10y = 0$$

