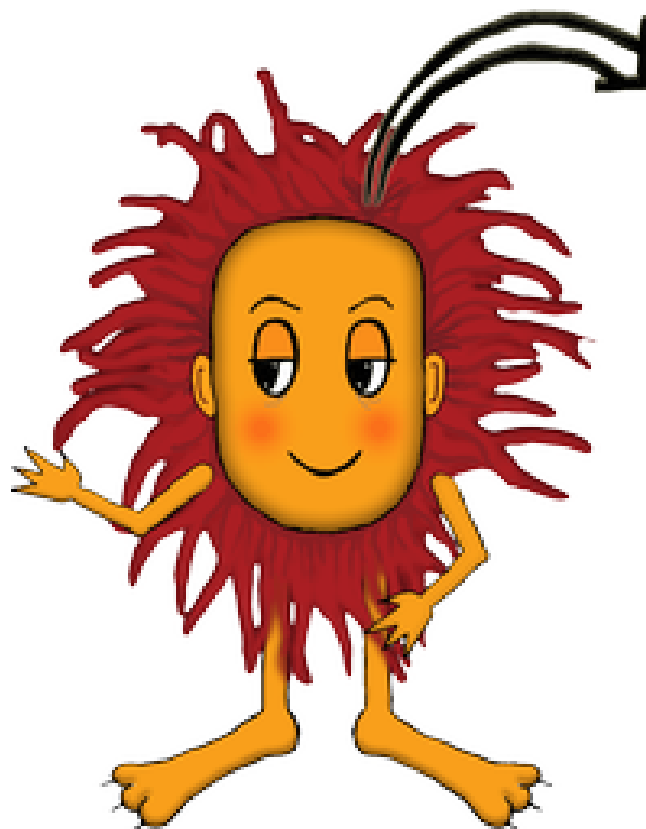




## Velika logična pošast



## 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.

$$7x+10y=21$$

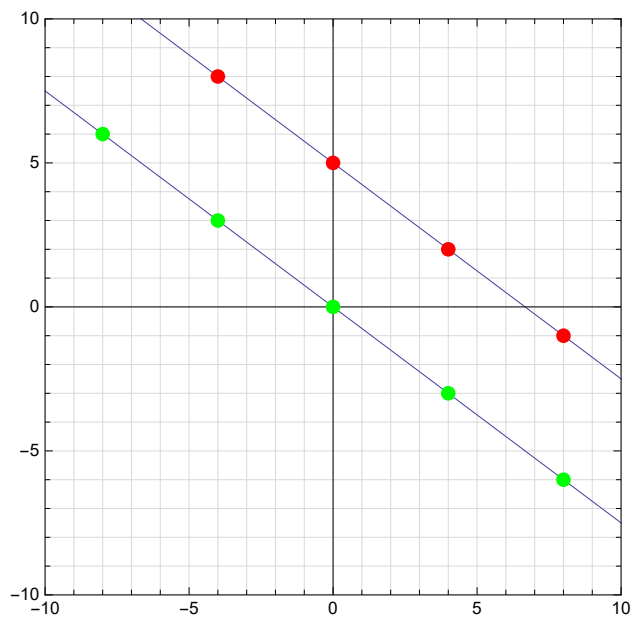
$$7x+10y=0$$

Rešitve:

1.

$$3x+4y=20$$

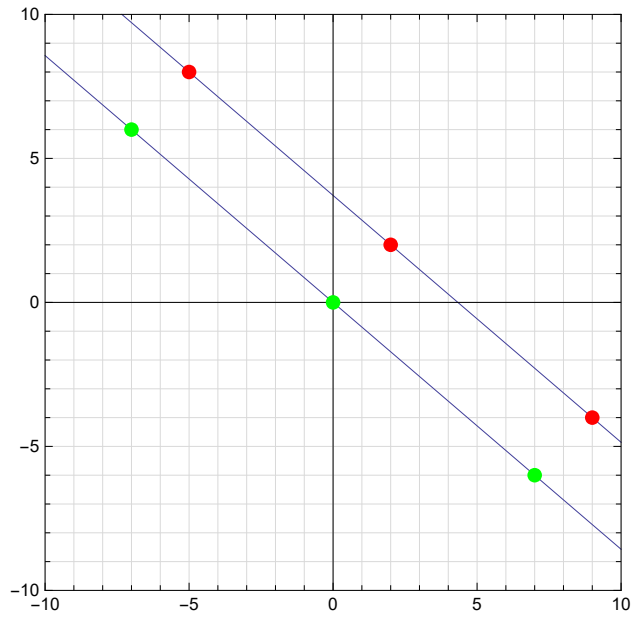
$$3x+4y=0$$



2.

$$6x + 7y = 26$$

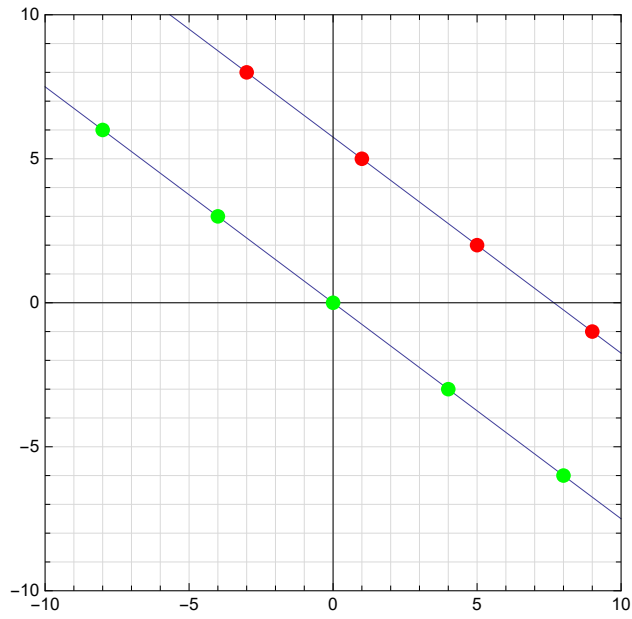
$$6x + 7y = 0$$



3.

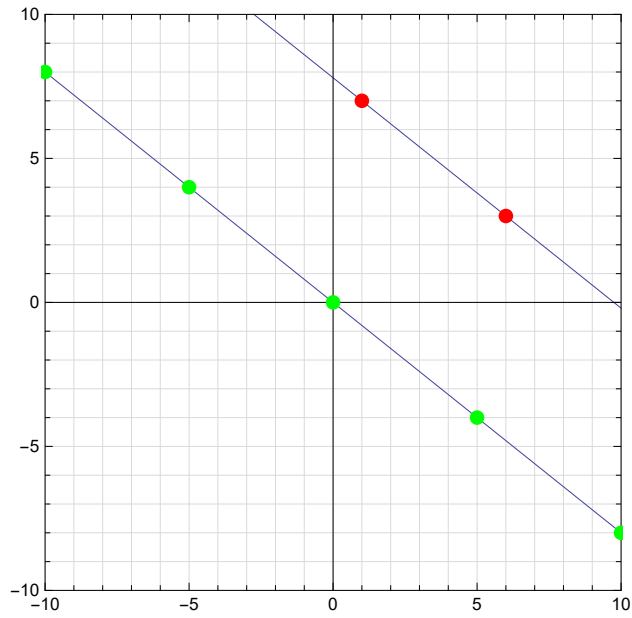
$$3x + 4y = 23$$

$$3x + 4y = 0$$



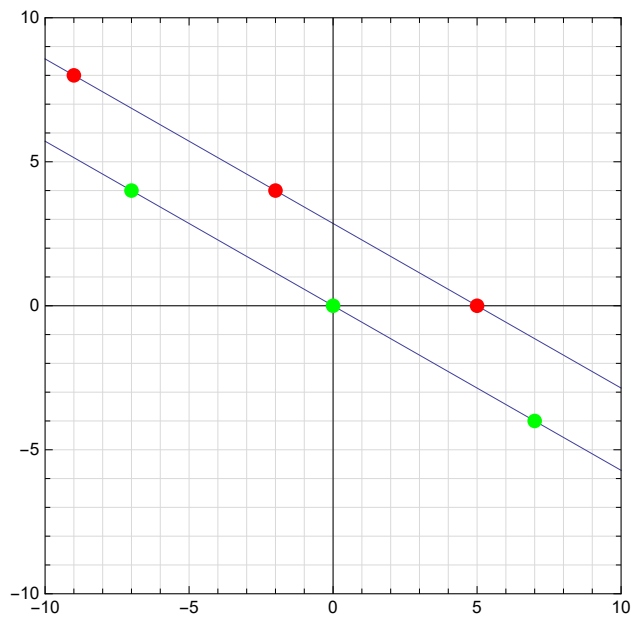
4.

$$\begin{aligned}4x+5y &= 39 \\4x+5y &= 0\end{aligned}$$



5.

$$\begin{aligned}4x+7y &= 20 \\4x+7y &= 0\end{aligned}$$

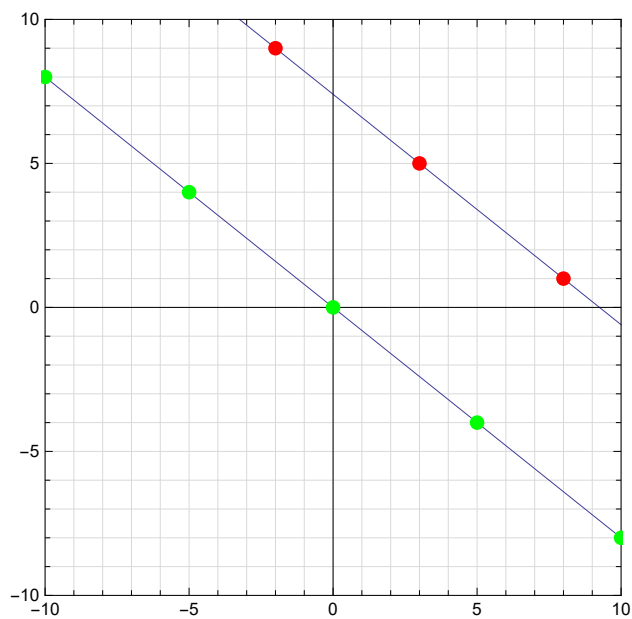




6.

$$4x + 5y = 37$$

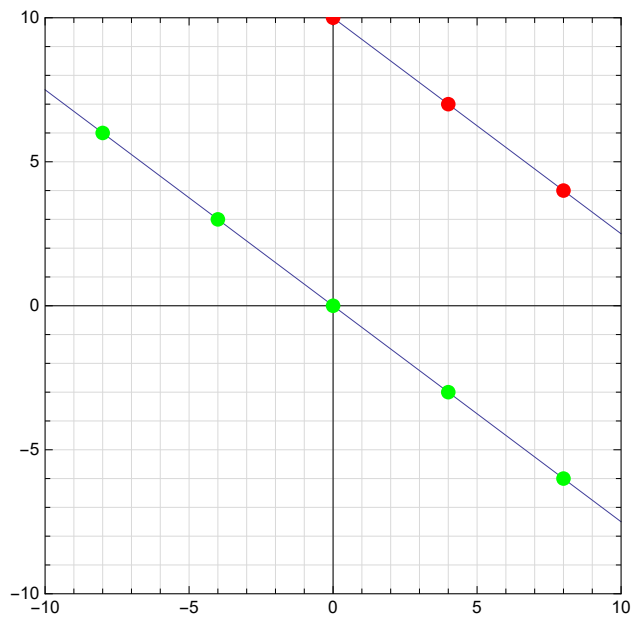
$$4x + 5y = 0$$



7.

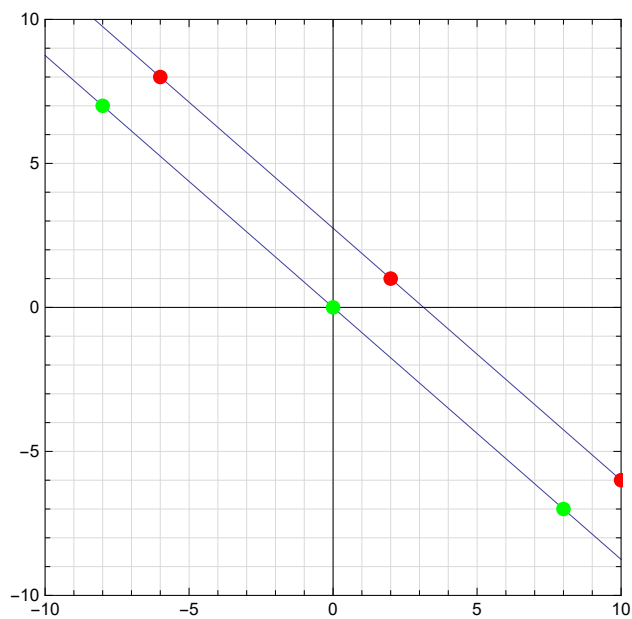
$$3x + 4y = 40$$

$$3x + 4y = 0$$



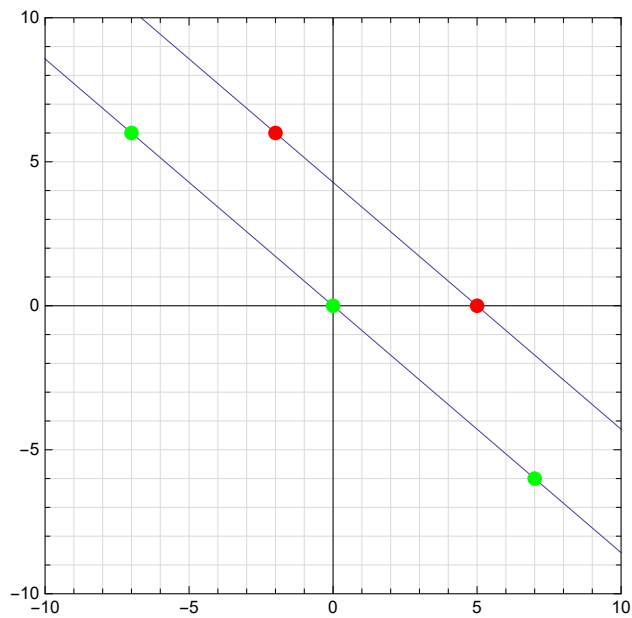
8.

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



9.

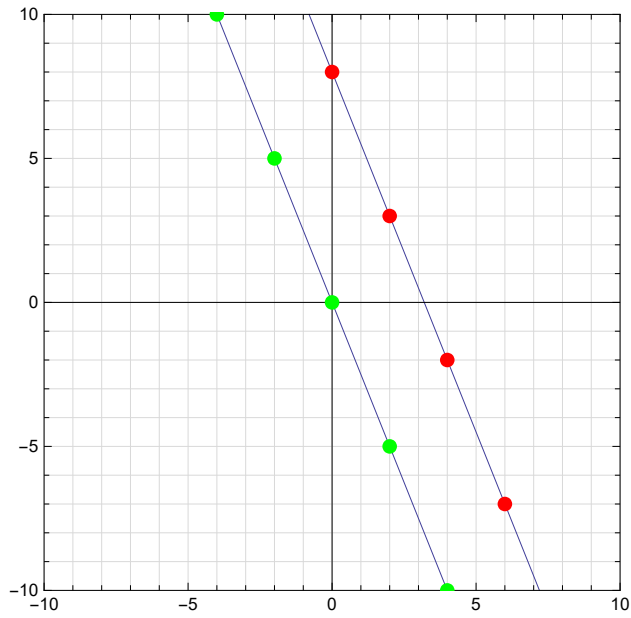
$$\begin{aligned}6x + 7y &= 30 \\6x + 7y &= 0\end{aligned}$$



10.

$$5x + 2y = 16$$

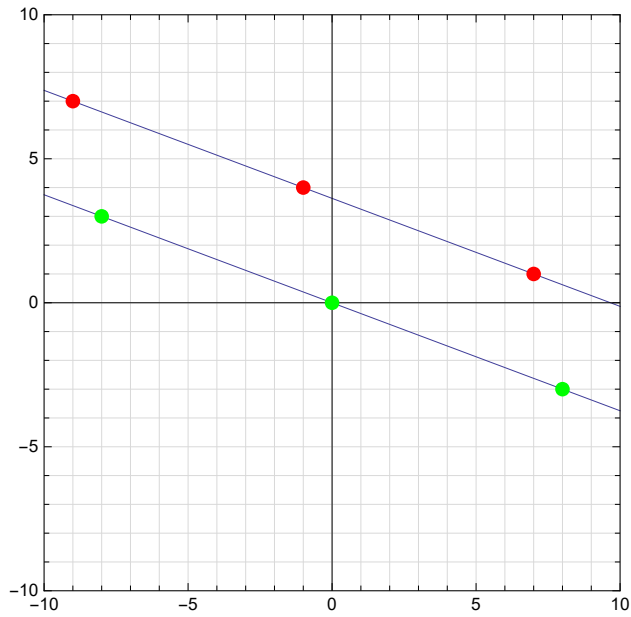
$$5x + 2y = 0$$



11.

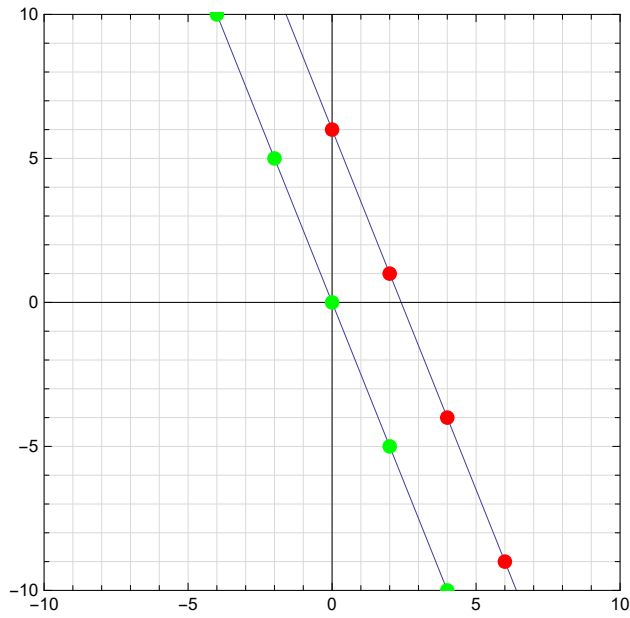
$$3x + 8y = 29$$

$$3x + 8y = 0$$



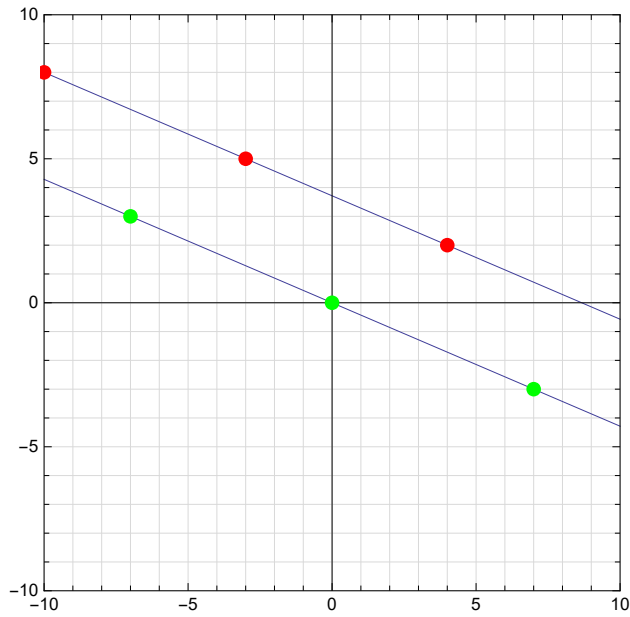
### 12.

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



### 13.

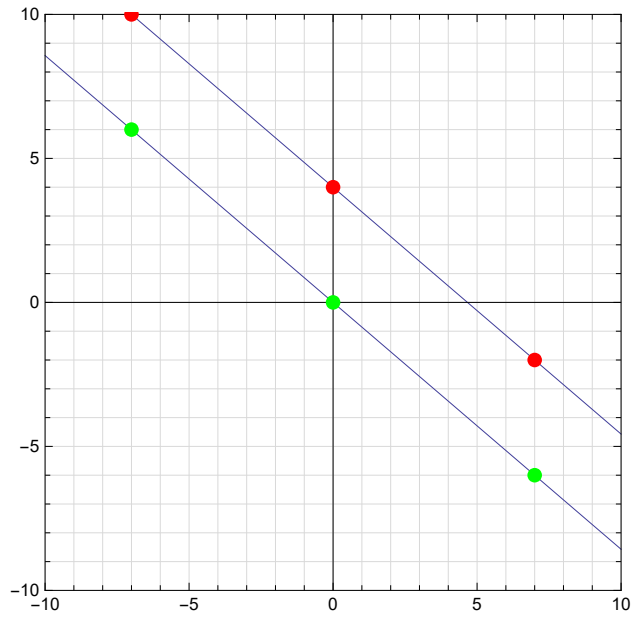
$$3x + 7y = 26$$
$$3x + 7y = 0$$



14.

$$6x+7y=28$$

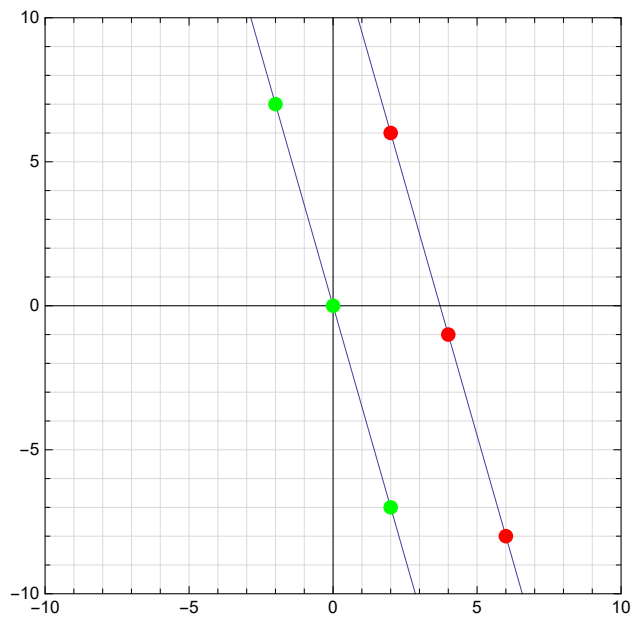
$$6x+7y=0$$



15.

$$7x+2y=26$$

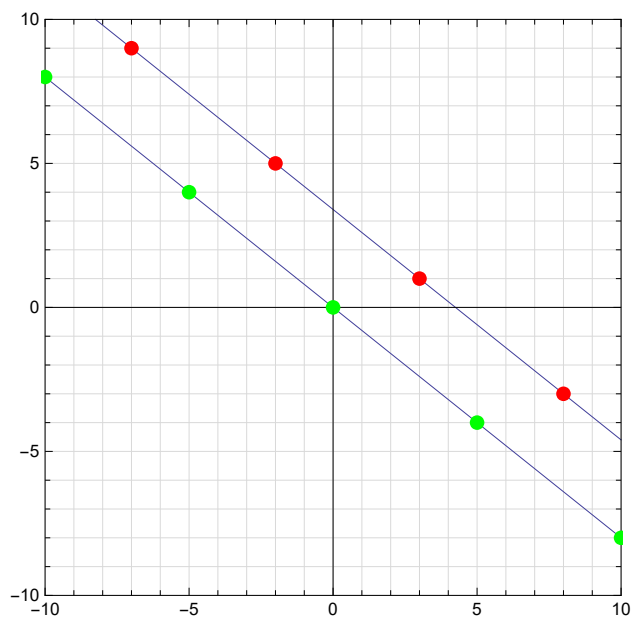
$$7x+2y=0$$



16.

$$4x + 5y = 17$$

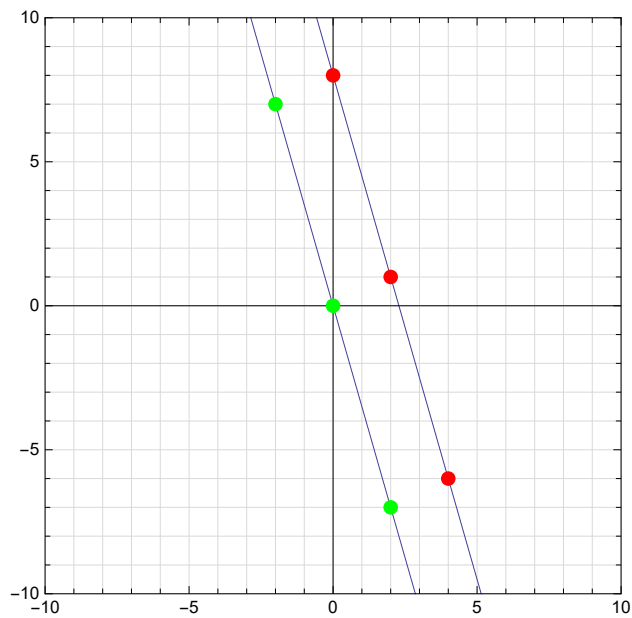
$$4x + 5y = 0$$



17.

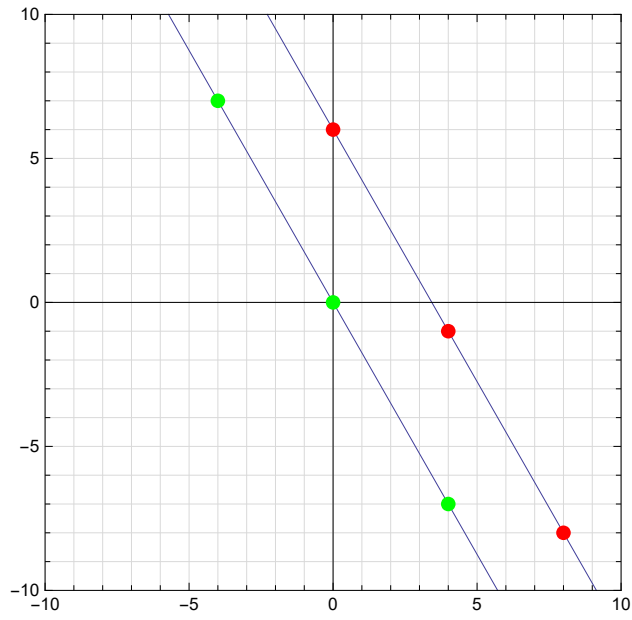
$$7x + 2y = 16$$

$$7x + 2y = 0$$



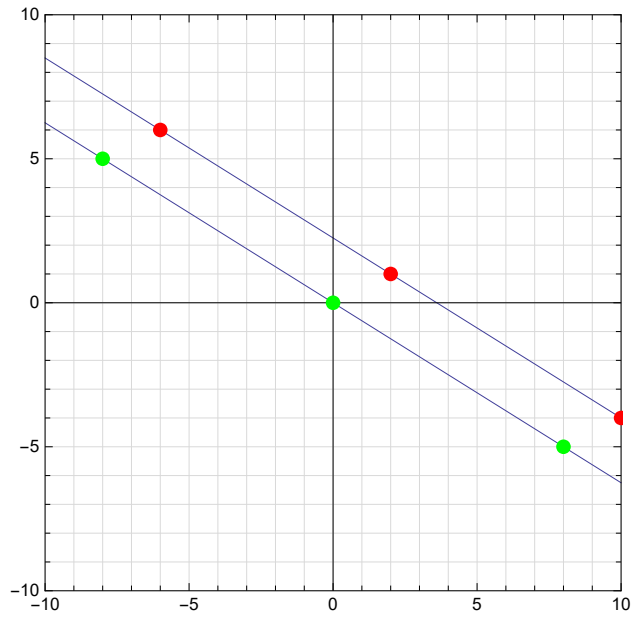
18.

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



19.

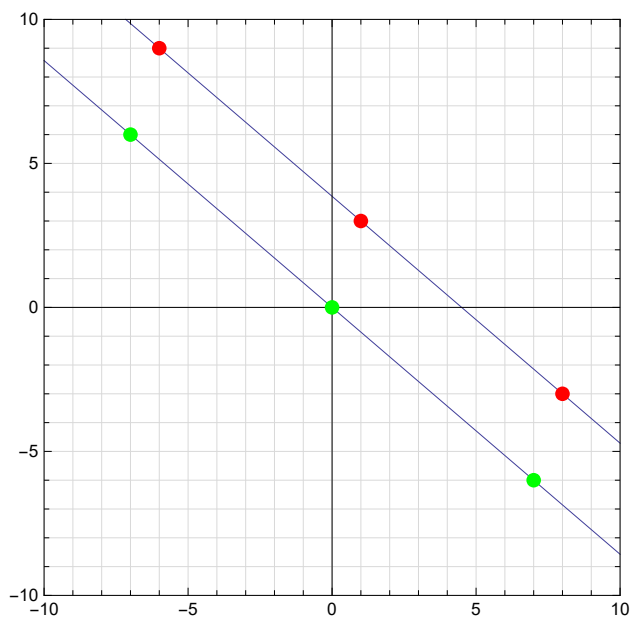
$$\begin{aligned} 5x+8y &= 18 \\ 5x+8y &= 0 \end{aligned}$$



20.

$$6x + 7y = 27$$

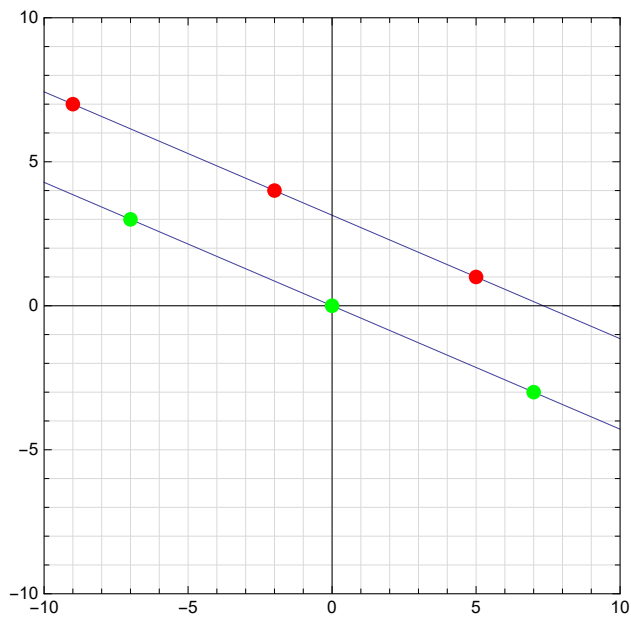
$$6x + 7y = 0$$



21.

$$3x + 7y = 22$$

$$3x + 7y = 0$$

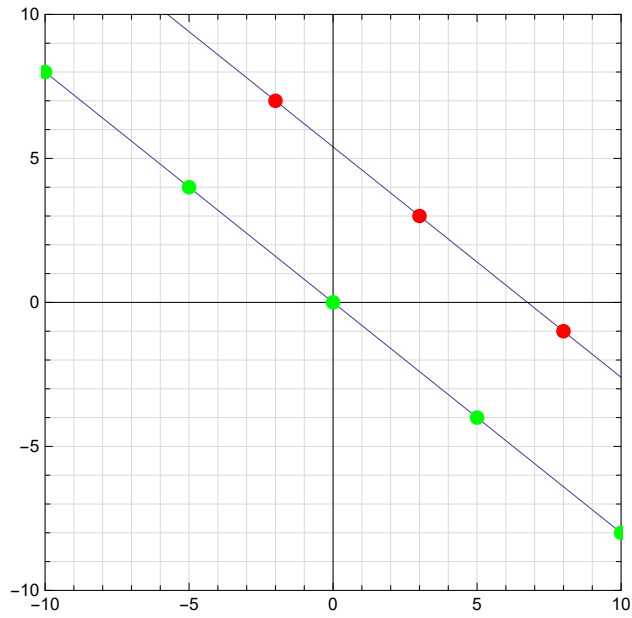




22.

$$4x + 5y = 27$$

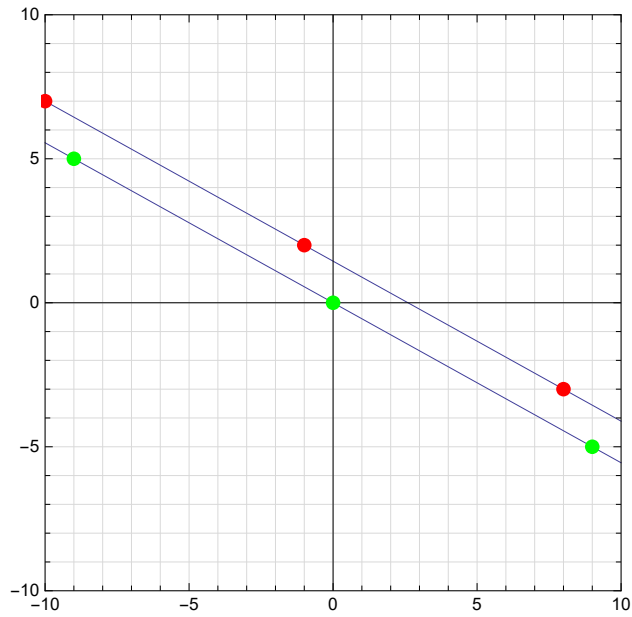
$$4x + 5y = 0$$



23.

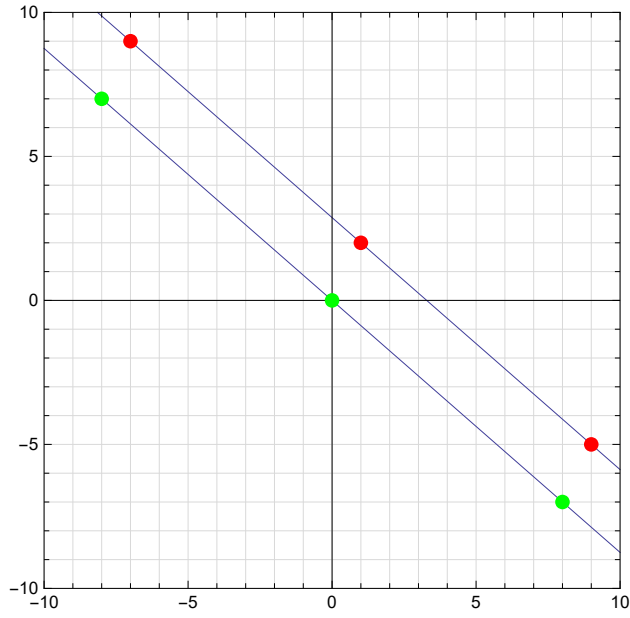
$$5x + 9y = 13$$

$$5x + 9y = 0$$



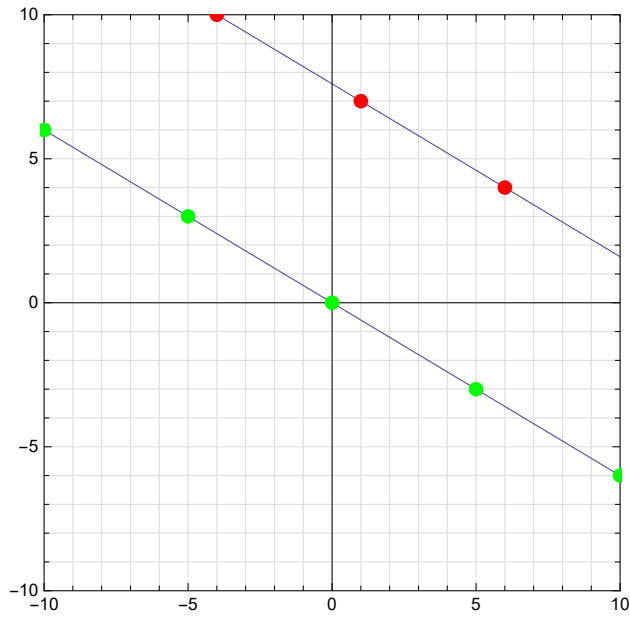
24.

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



25.

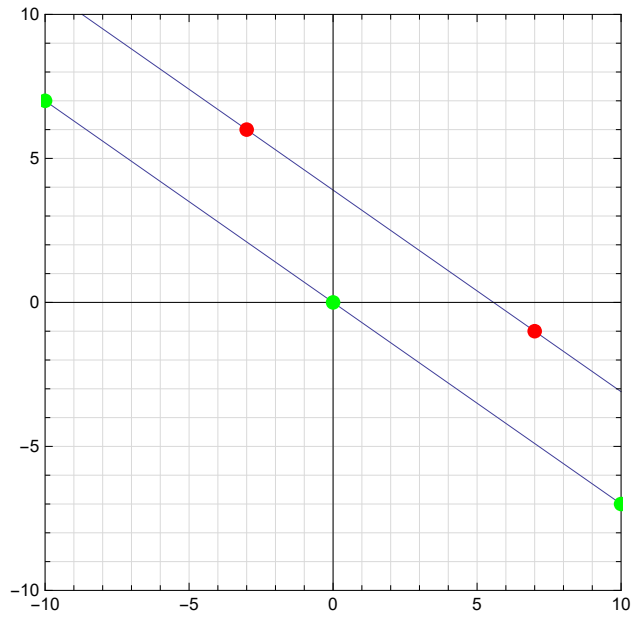
$$\begin{aligned} 3x+5y &= 38 \\ 3x+5y &= 0 \end{aligned}$$



26.

$$7x + 10y = 39$$

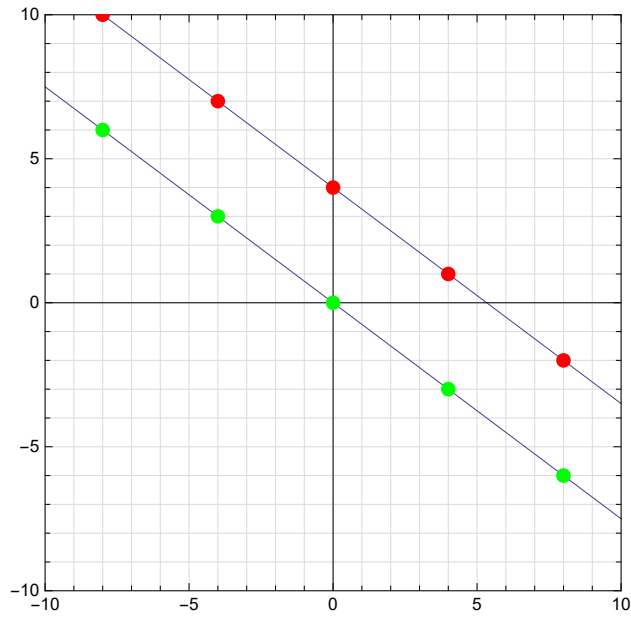
$$7x + 10y = 0$$



27.

$$3x + 4y = 16$$

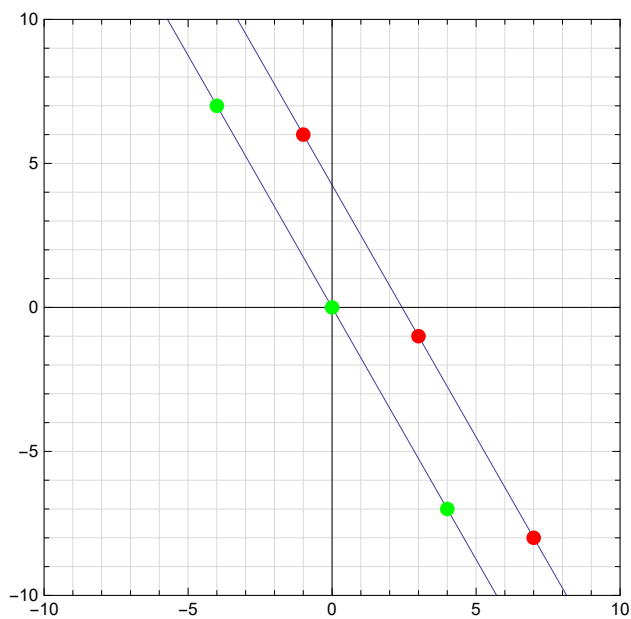
$$3x + 4y = 0$$



28.

$$7x + 4y = 17$$

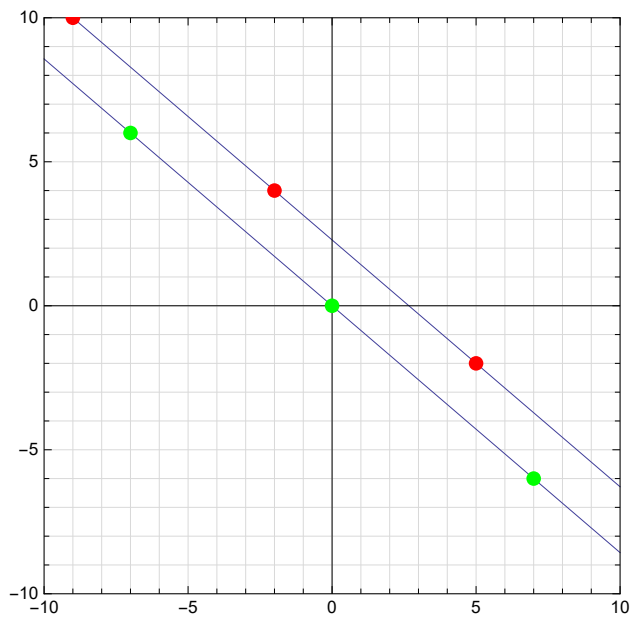
$$7x + 4y = 0$$



29.

$$6x + 7y = 16$$

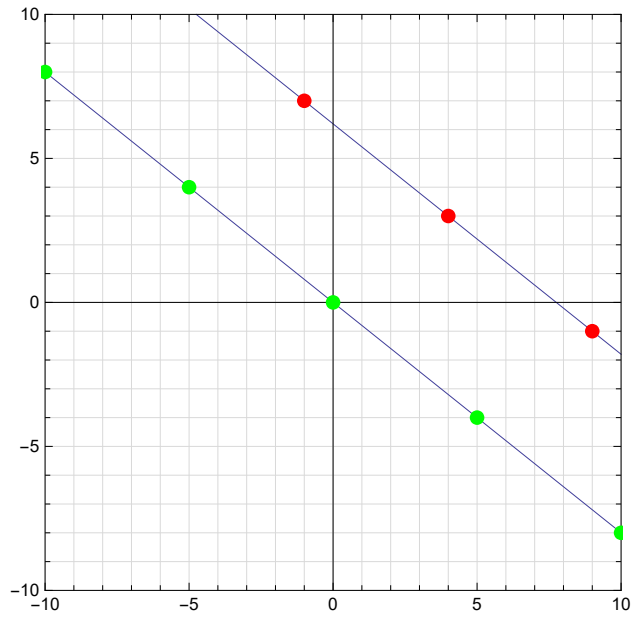
$$6x + 7y = 0$$



30.

$$4x+5y=31$$

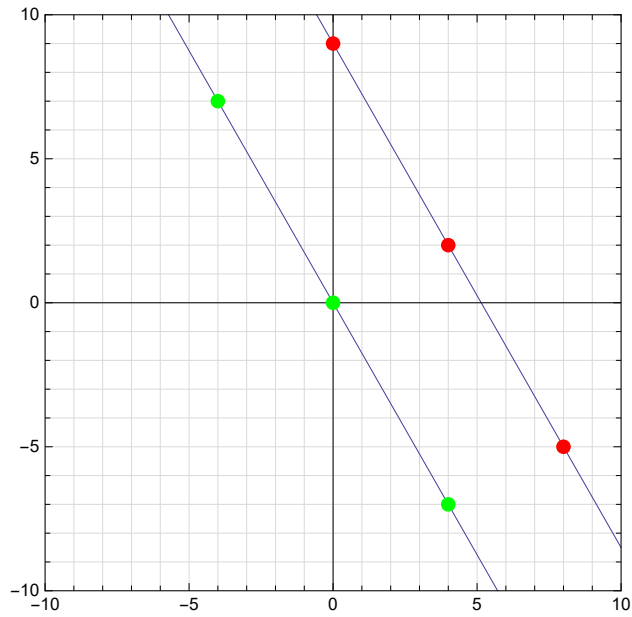
$$4x+5y=0$$



31.

$$7x+4y=36$$

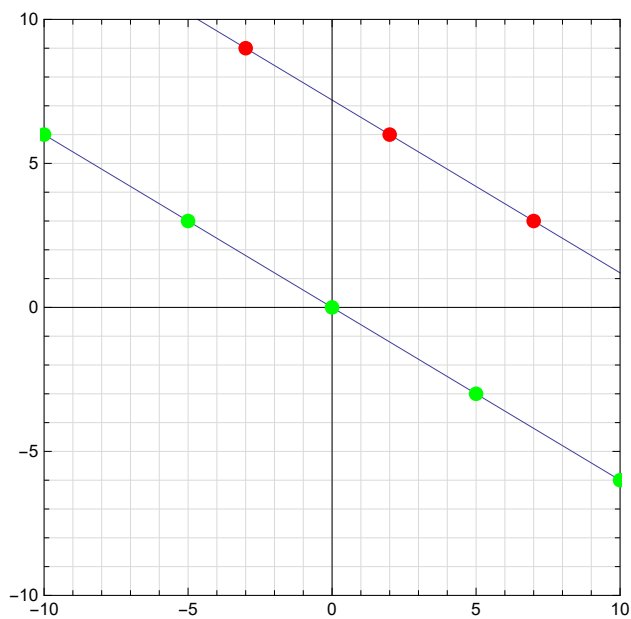
$$7x+4y=0$$



32.

$$3x+5y = 36$$

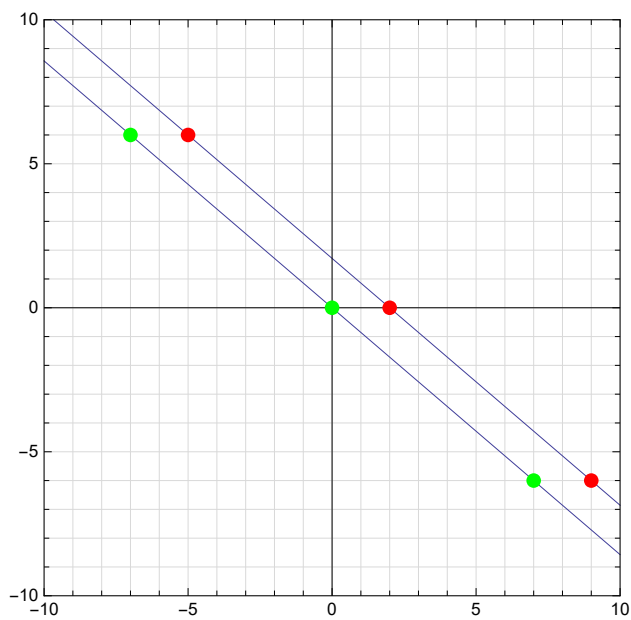
$$3x+5y = 0$$



33.

$$6x+7y = 12$$

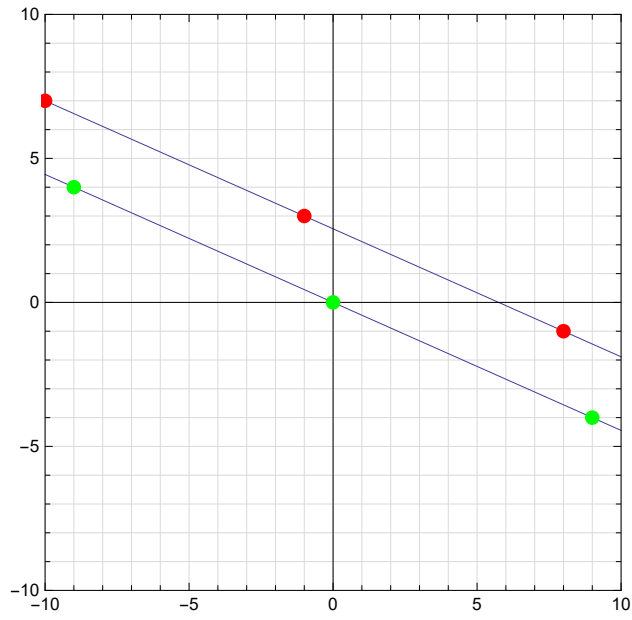
$$6x+7y = 0$$



34.

$$4x + 9y = 23$$

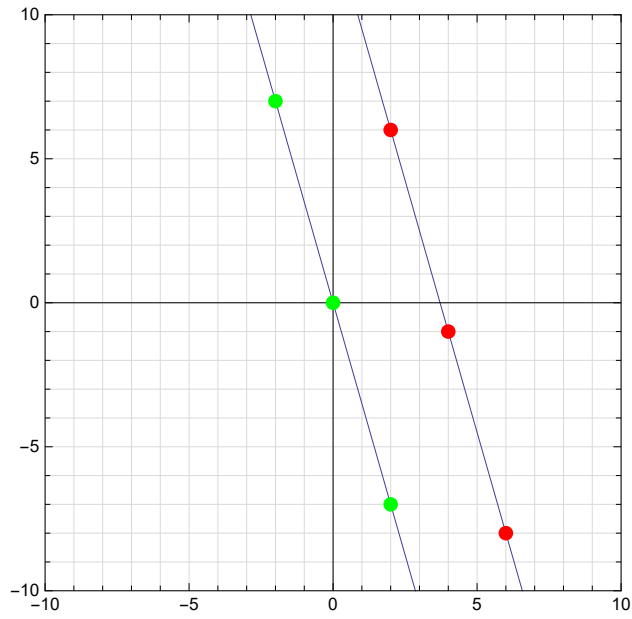
$$4x + 9y = 0$$



35.

$$7x + 2y = 26$$

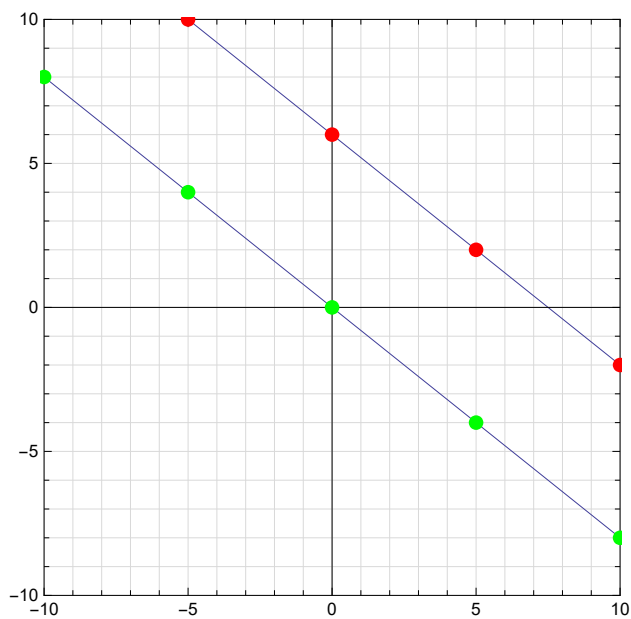
$$7x + 2y = 0$$



36.

$$4x + 5y = 30$$

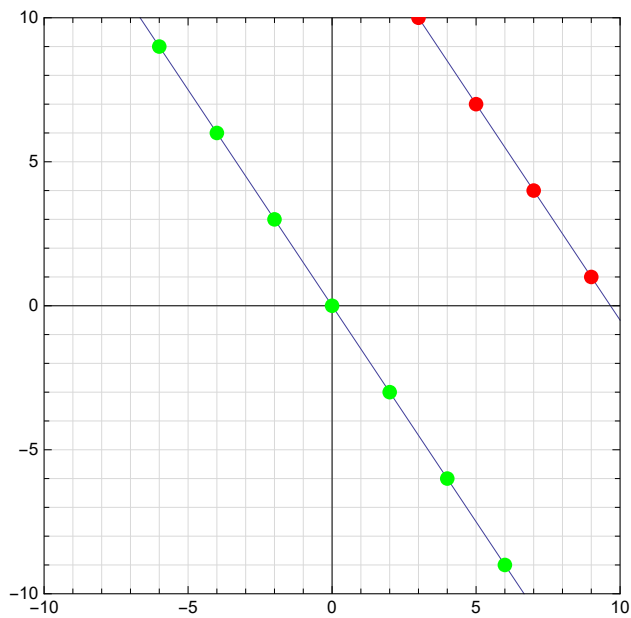
$$4x + 5y = 0$$



37.

$$3x + 2y = 29$$

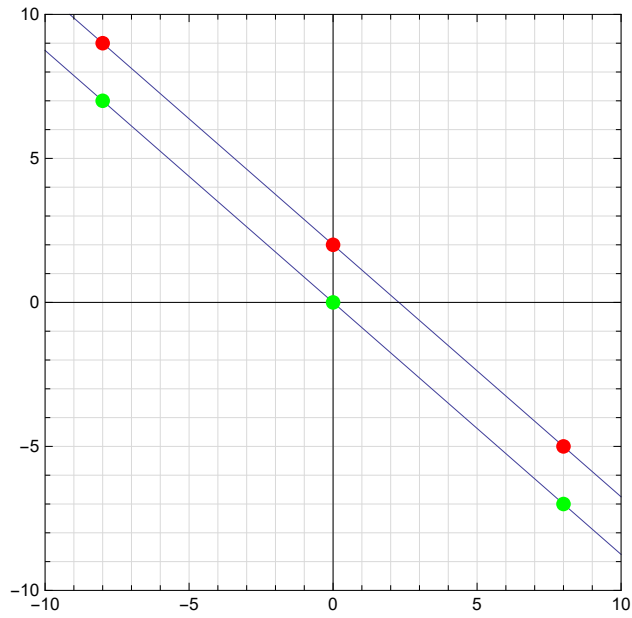
$$3x + 2y = 0$$





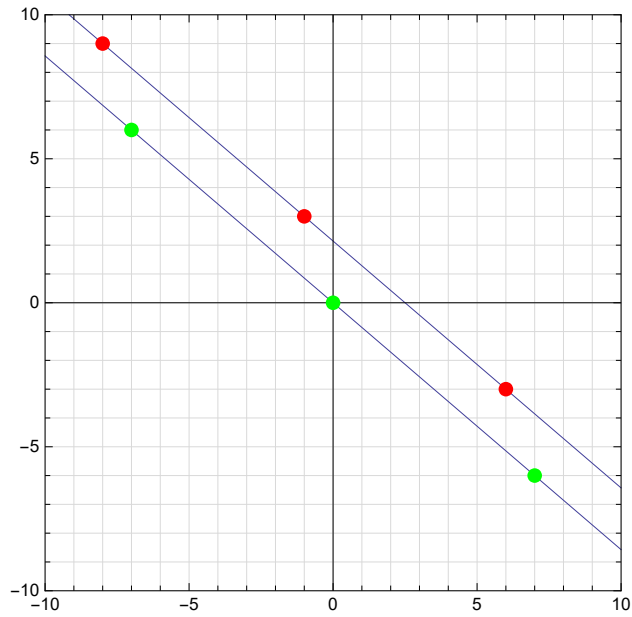
38.

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



39.

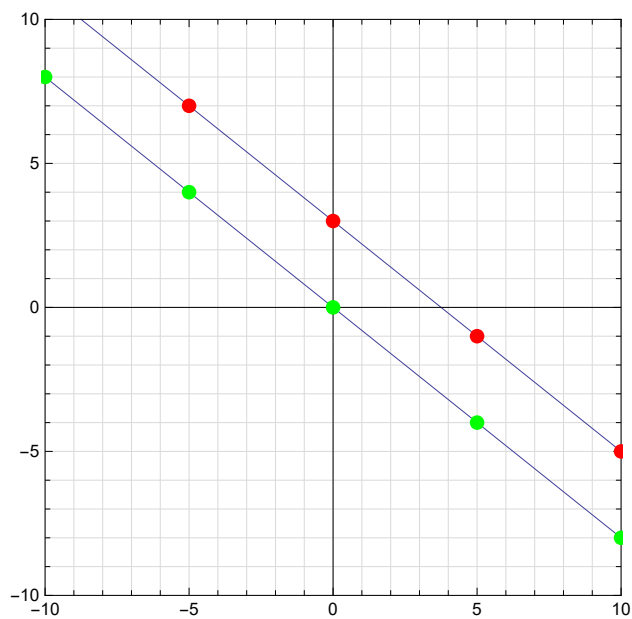
$$\begin{aligned} 6x+7y &= 15 \\ 6x+7y &= 0 \end{aligned}$$



40.

$$4x + 5y = 15$$

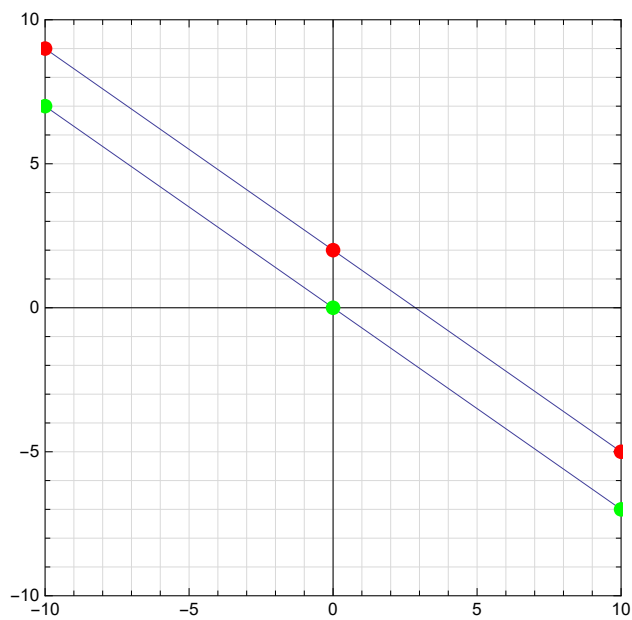
$$4x + 5y = 0$$



41.

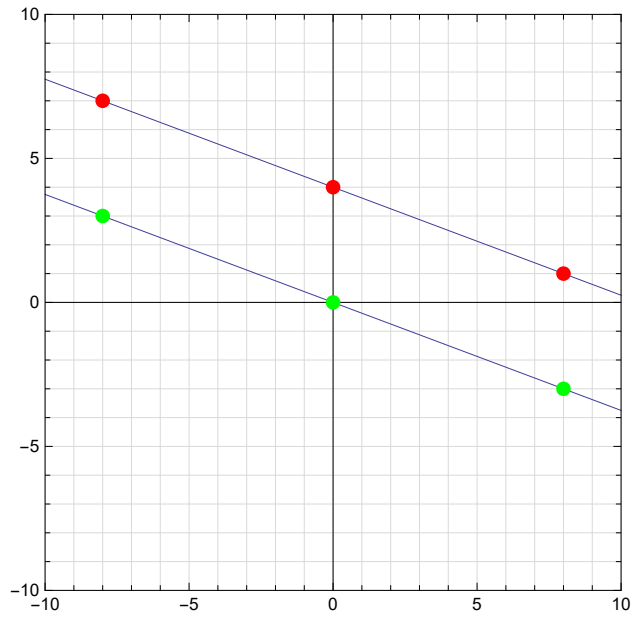
$$7x + 10y = 20$$

$$7x + 10y = 0$$



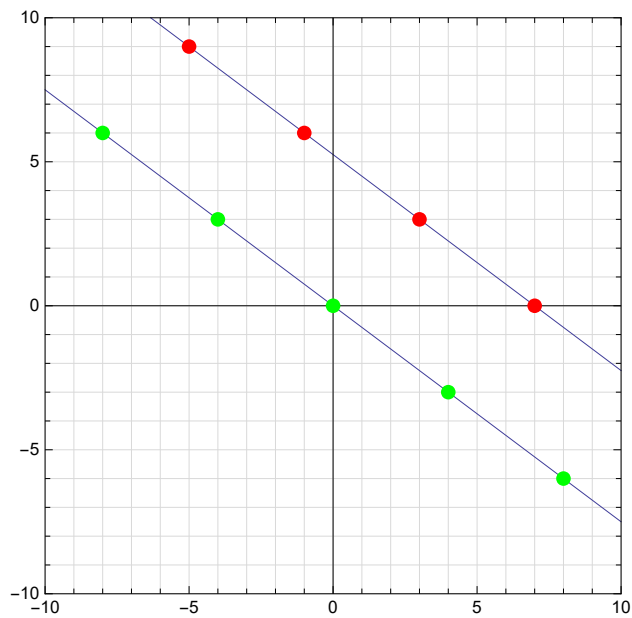
42.

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



43.

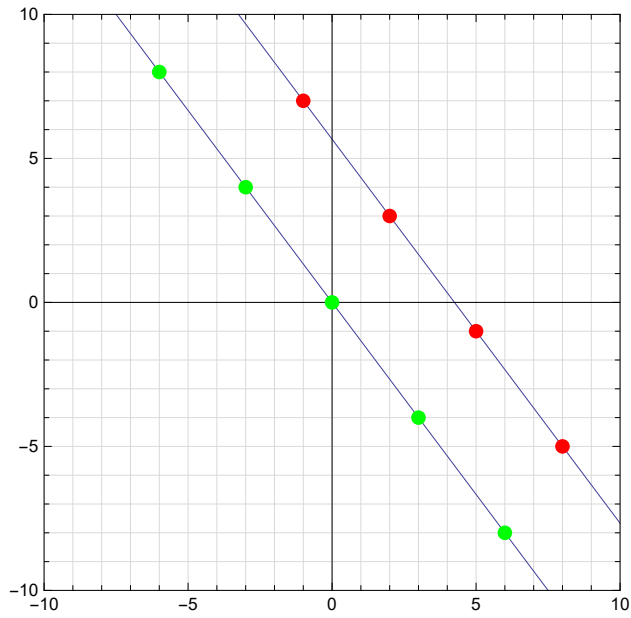
$$\begin{aligned} 3x+4y &= 21 \\ 3x+4y &= 0 \end{aligned}$$



44.

$$4x + 3y = 17$$

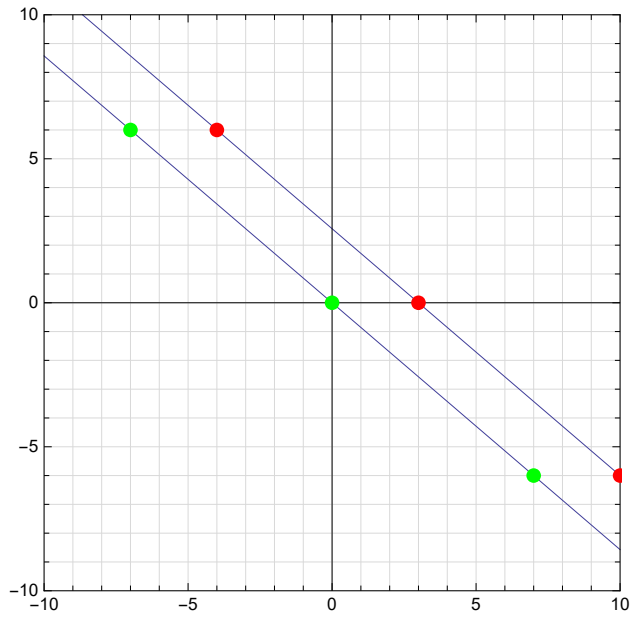
$$4x + 3y = 0$$



45.

$$6x + 7y = 18$$

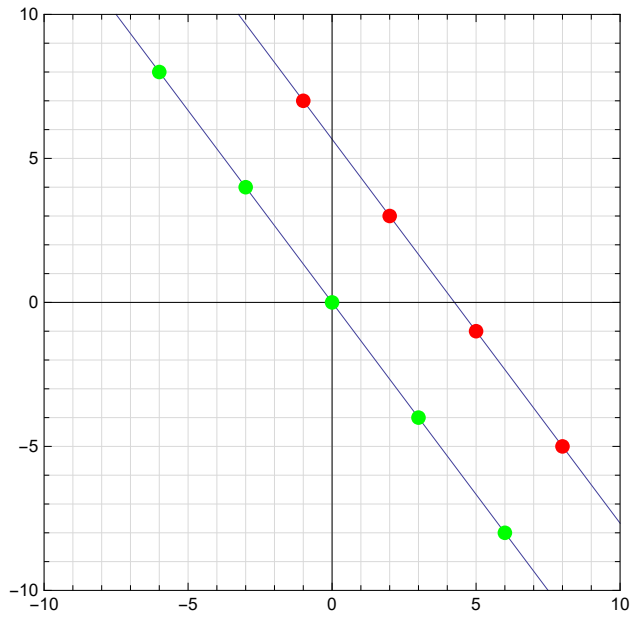
$$6x + 7y = 0$$



46.

$$4x + 3y = 17$$

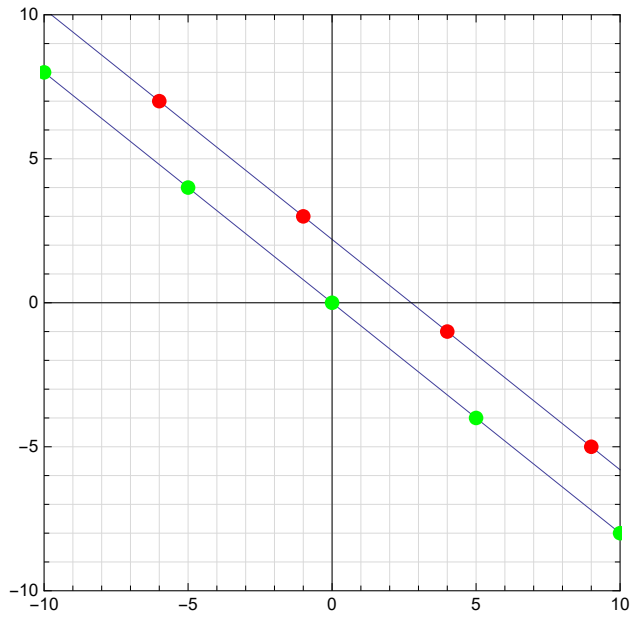
$$4x + 3y = 0$$



47.

$$4x + 5y = 11$$

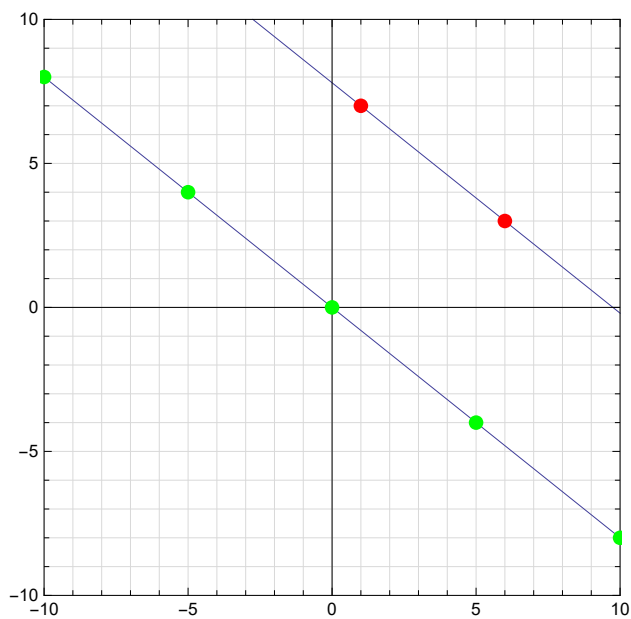
$$4x + 5y = 0$$



48.

$$4x + 5y = 39$$

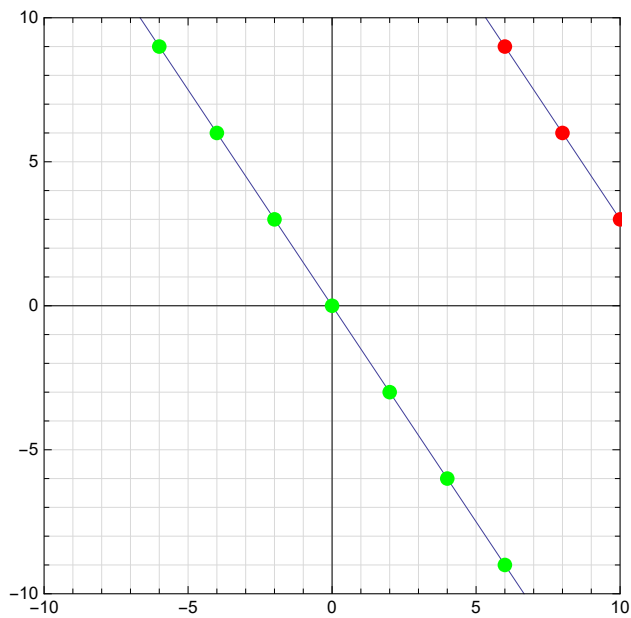
$$4x + 5y = 0$$



49.

$$3x + 2y = 36$$

$$3x + 2y = 0$$



50.

$$7x + 10y = 21$$

$$7x + 10y = 0$$

