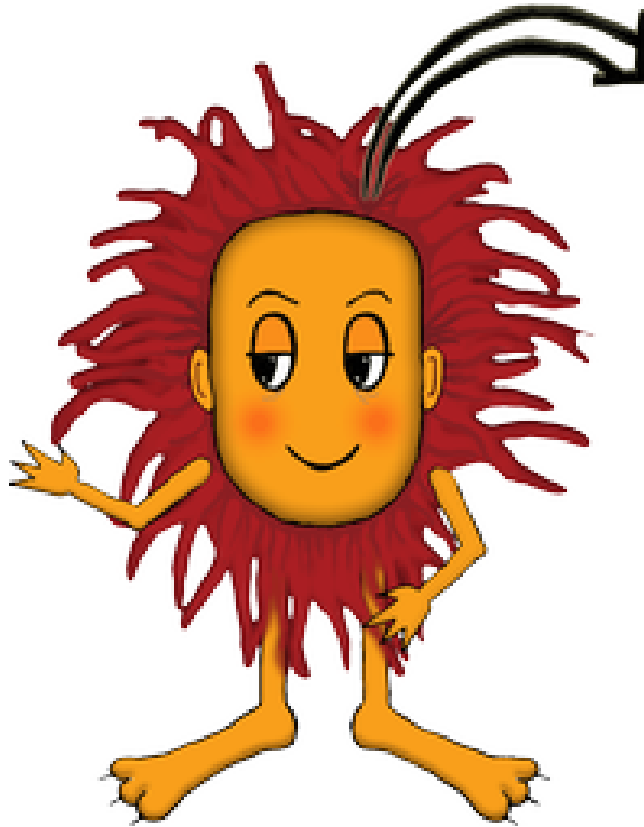




## Velika logična pošast



## 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.

$$5x+6y=30$$

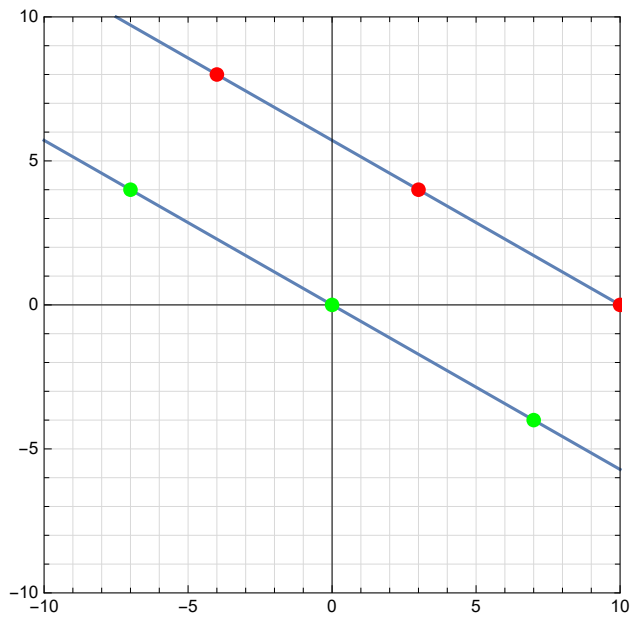
$$5x+6y=0$$

Rešitve:

1.

$$4x+7y=40$$

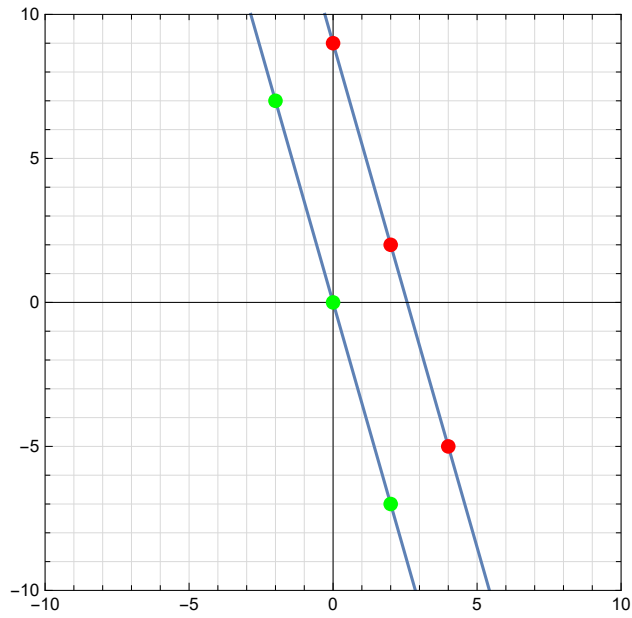
$$4x+7y=0$$



2.

$$7x + 2y = 18$$

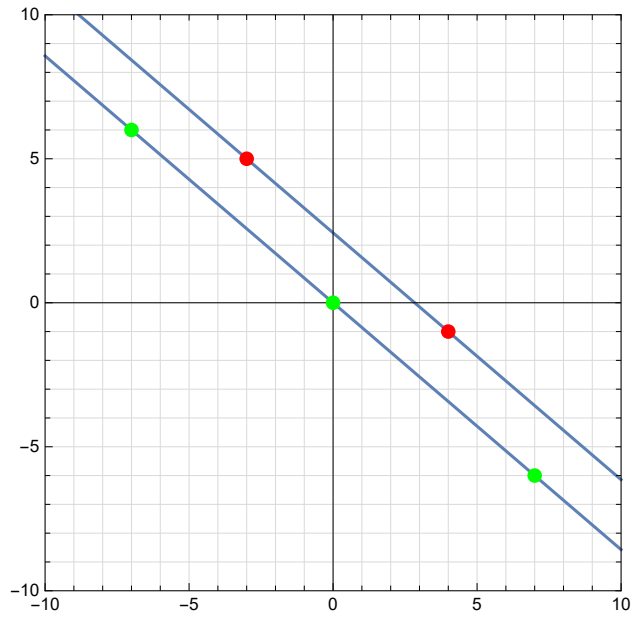
$$7x + 2y = 0$$



3.

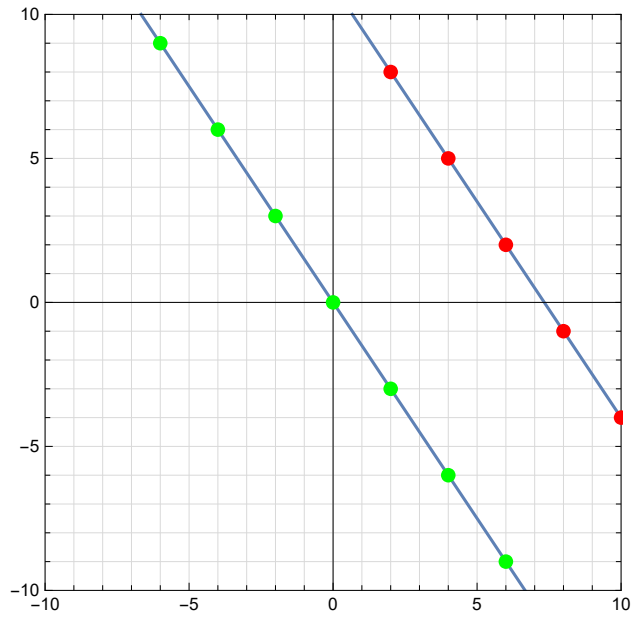
$$6x + 7y = 17$$

$$6x + 7y = 0$$



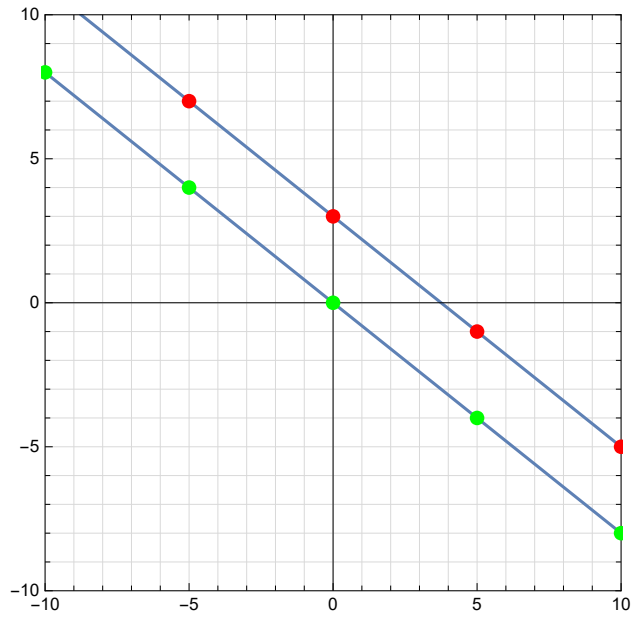
4.

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



5.

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

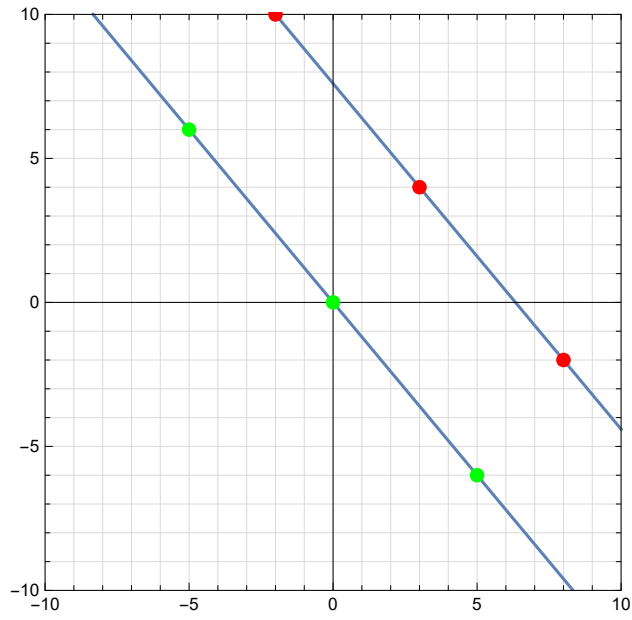




6.

$$6x + 5y = 38$$

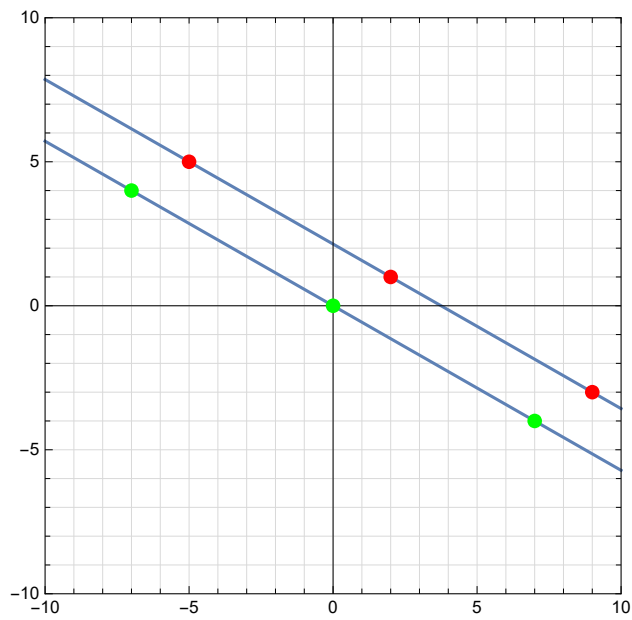
$$6x + 5y = 0$$



7.

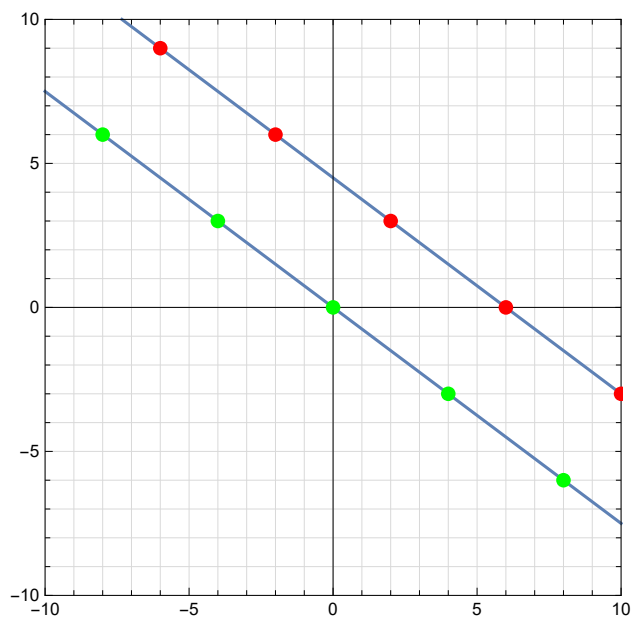
$$4x + 7y = 15$$

$$4x + 7y = 0$$



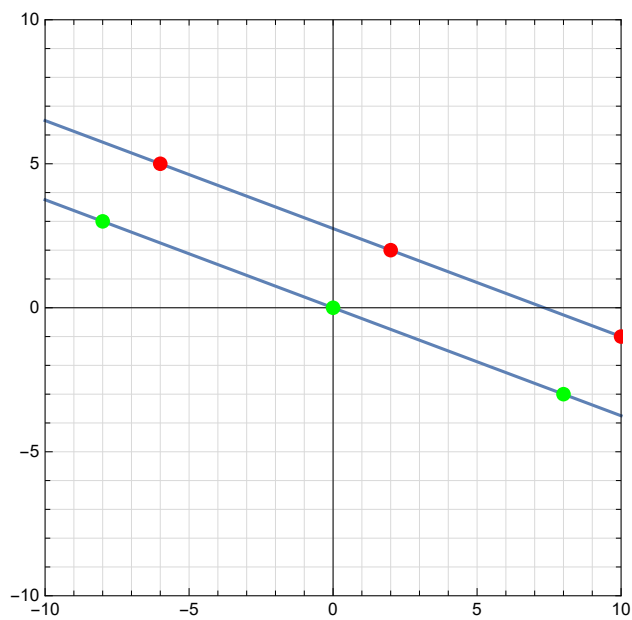
8.

$$\begin{aligned} 3x+4y &= 18 \\ 3x+4y &= 0 \end{aligned}$$



9.

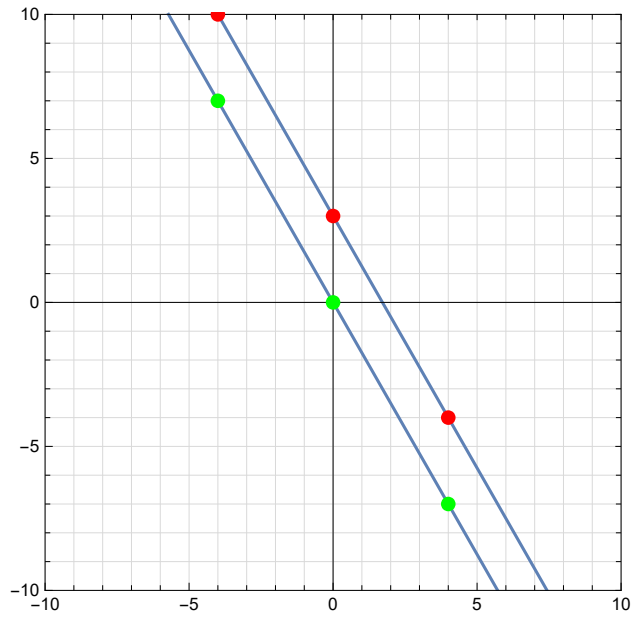
$$\begin{aligned} 3x+8y &= 22 \\ 3x+8y &= 0 \end{aligned}$$



10.

$$7x+4y=12$$

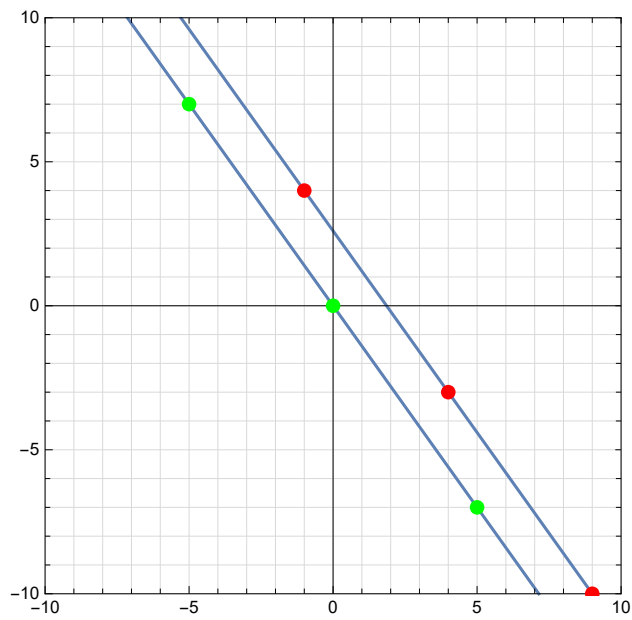
$$7x+4y=0$$



11.

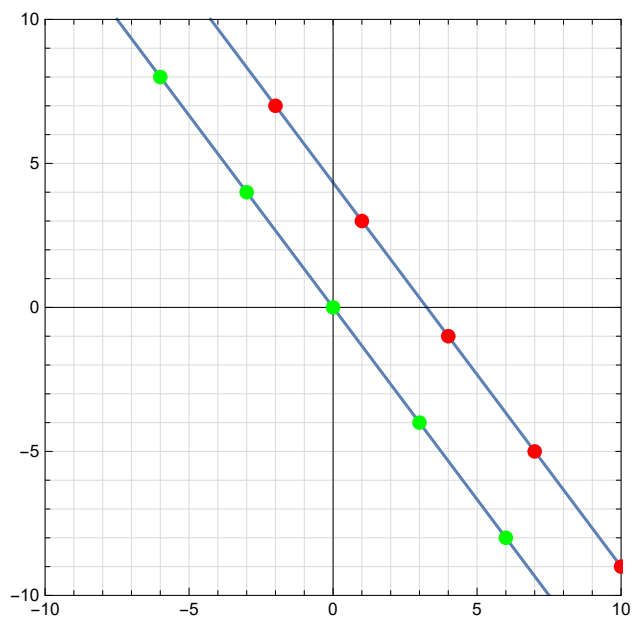
$$7x+5y=13$$

$$7x+5y=0$$



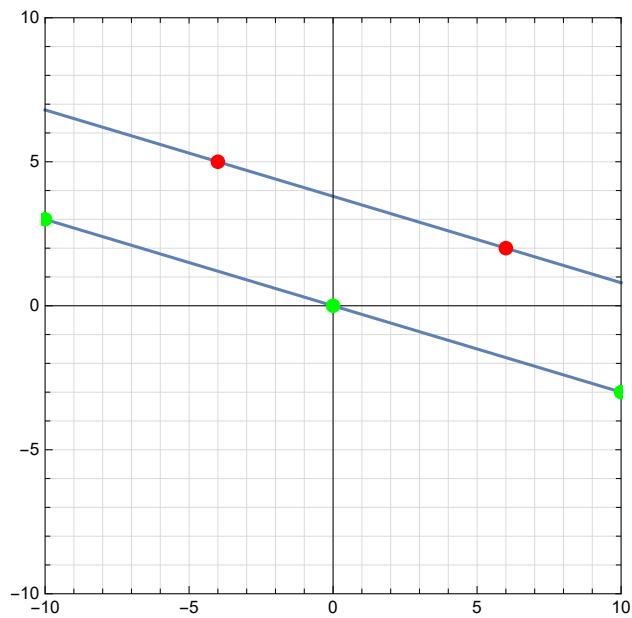
12.

$$4x + 3y = 13$$
$$4x + 3y = 0$$



13.

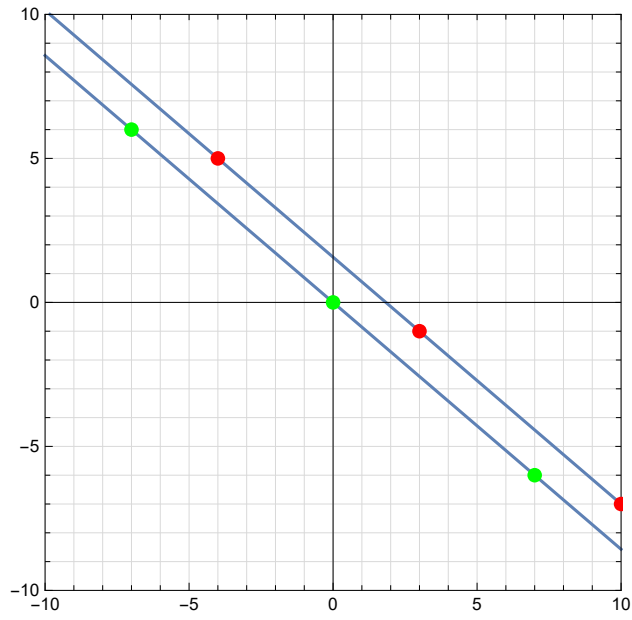
$$3x + 10y = 38$$
$$3x + 10y = 0$$



14.

$$6x+7y=11$$

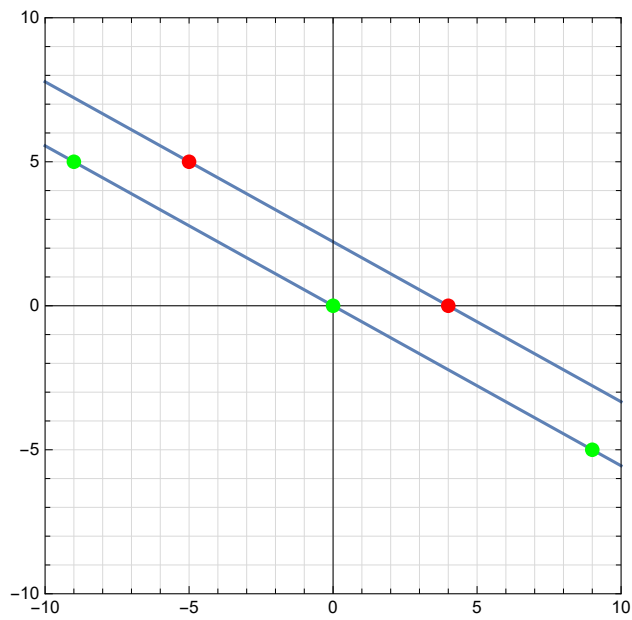
$$6x+7y=0$$



15.

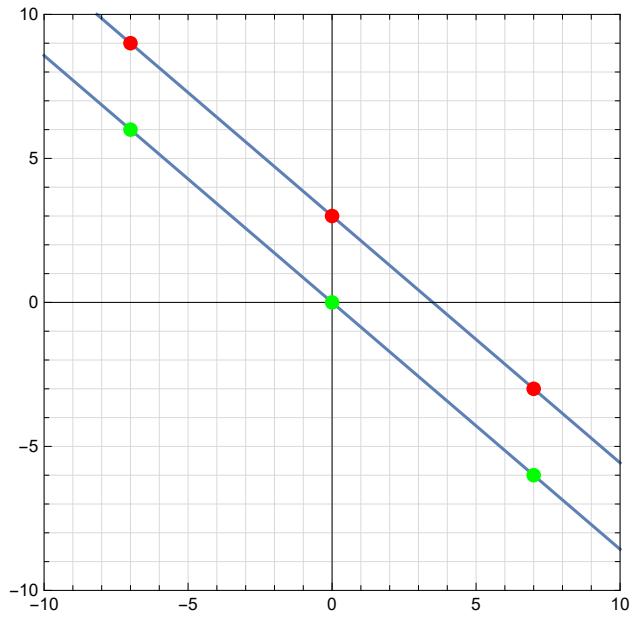
$$5x+9y=20$$

$$5x+9y=0$$



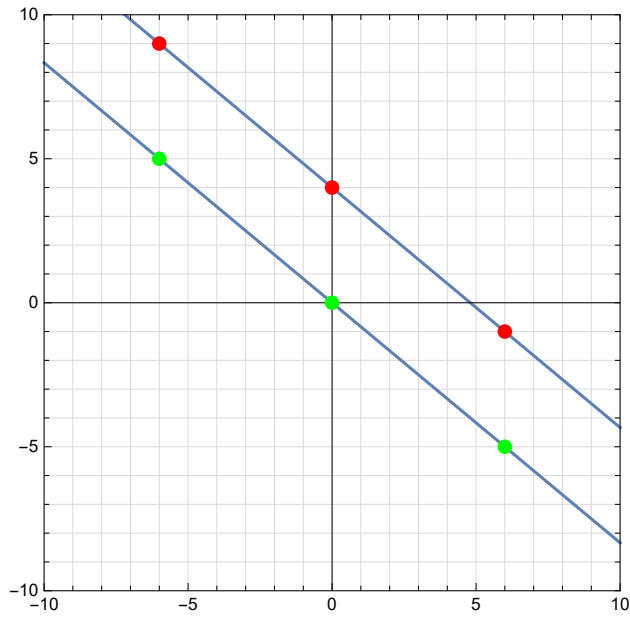
16.

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



17.

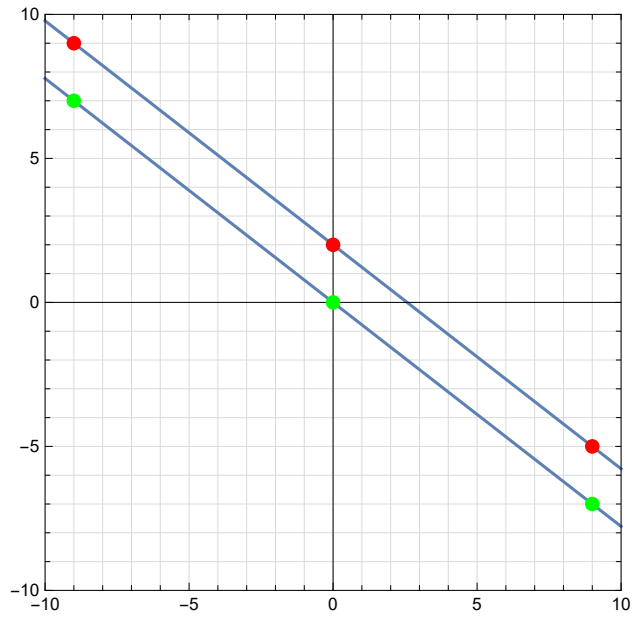
$$5x + 6y = 24$$
$$5x + 6y = 0$$



18.

$$7x+9y=18$$

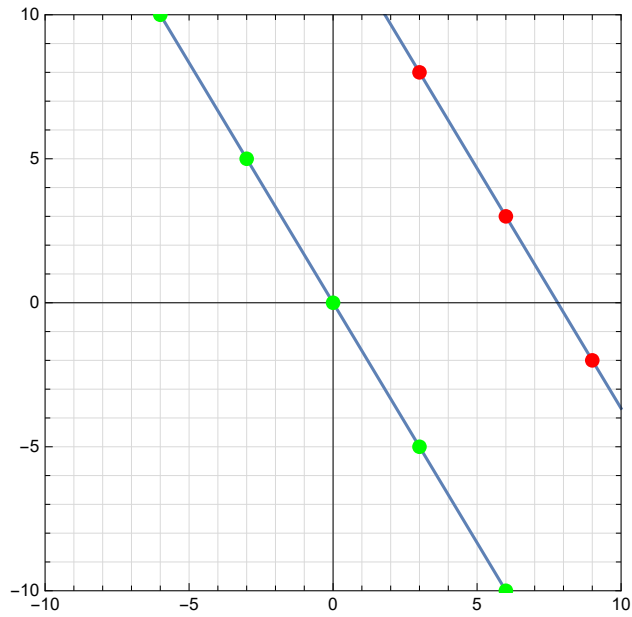
$$7x+9y=0$$



19.

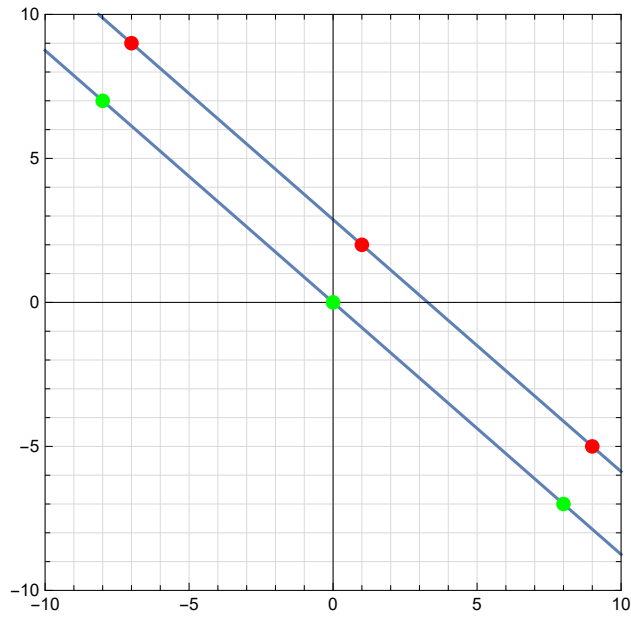
$$5x+3y=39$$

$$5x+3y=0$$



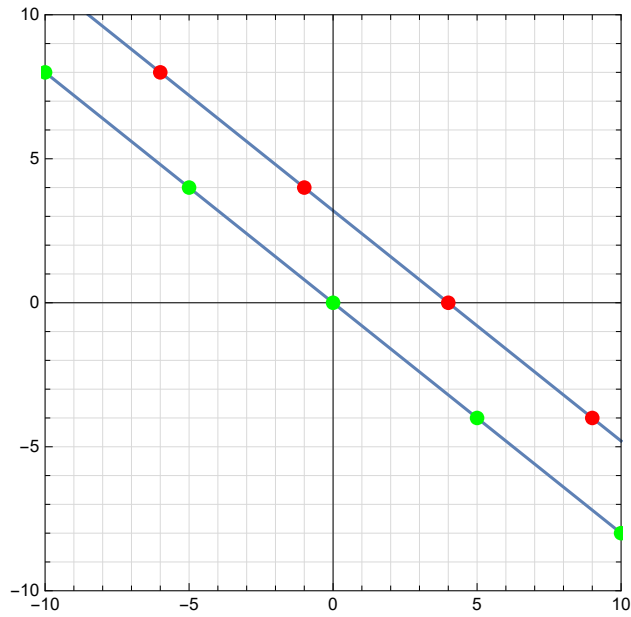
20.

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



21.

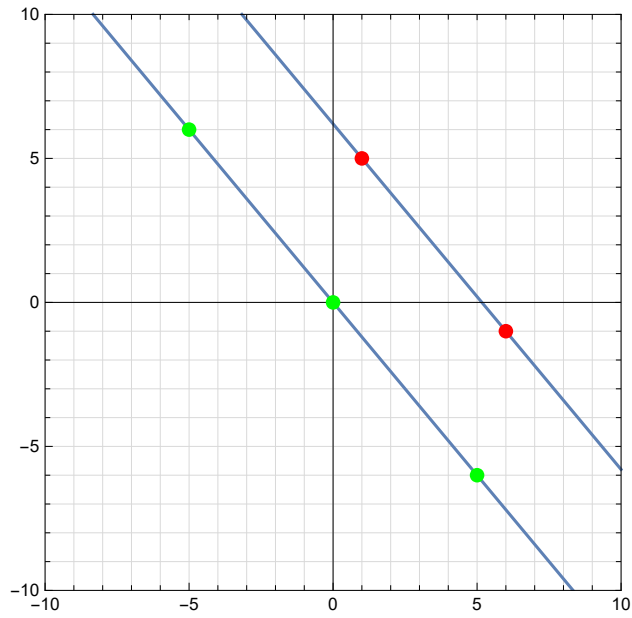
$$\begin{aligned} 4x+5y &= 16 \\ 4x+5y &= 0 \end{aligned}$$





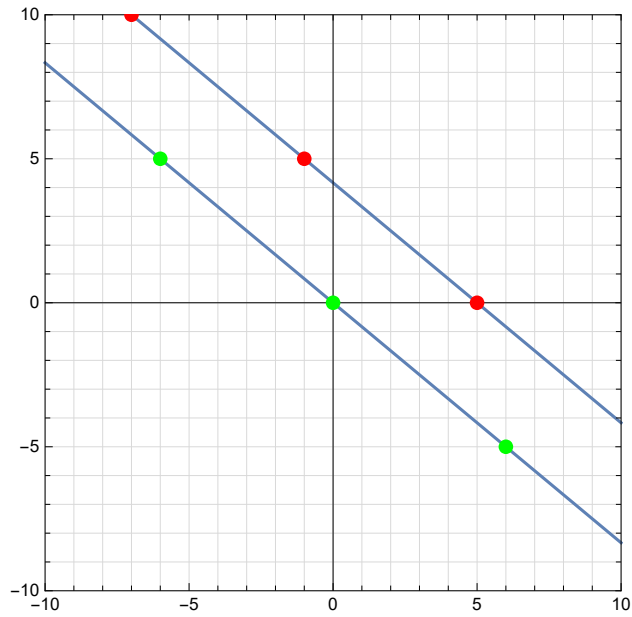
22.

$$\begin{aligned} 6x+5y &= 31 \\ 6x+5y &= 0 \end{aligned}$$



23.

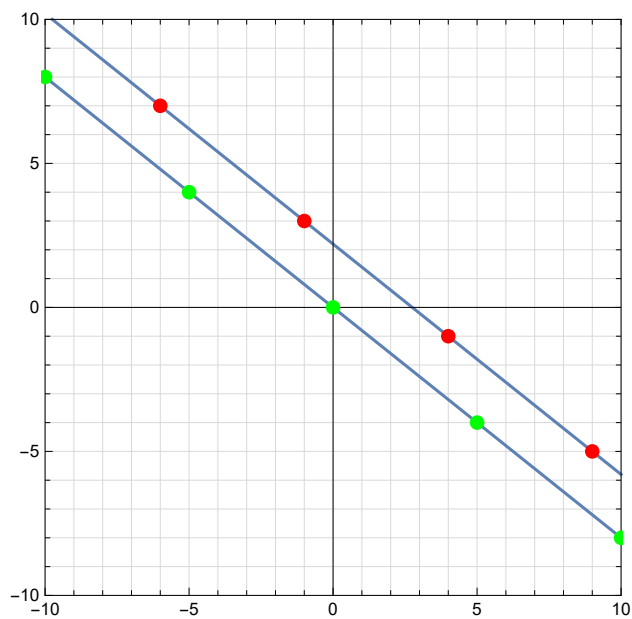
$$\begin{aligned} 5x+6y &= 25 \\ 5x+6y &= 0 \end{aligned}$$



24.

$$4x + 5y = 11$$

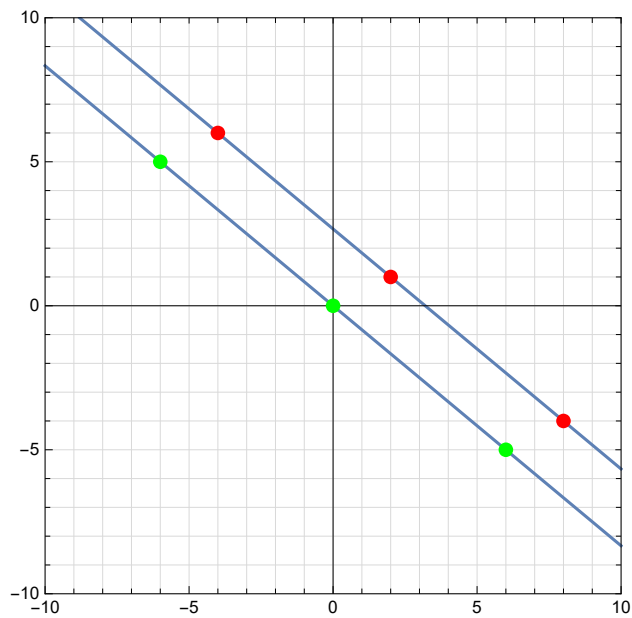
$$4x + 5y = 0$$



25.

$$5x + 6y = 16$$

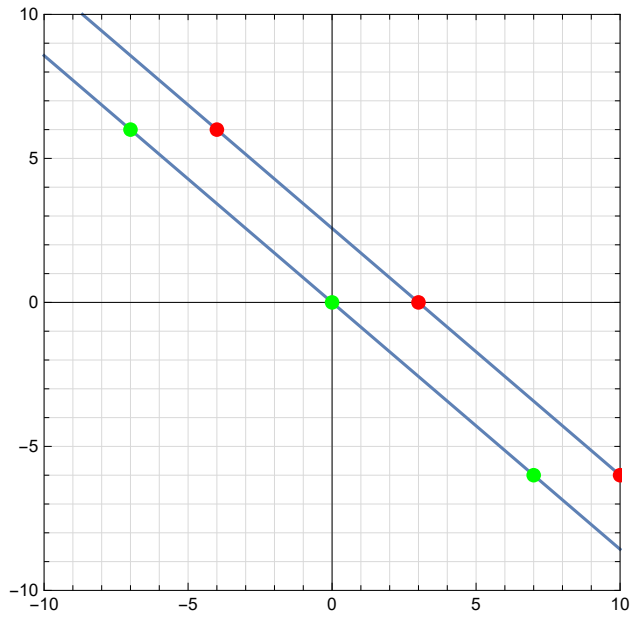
$$5x + 6y = 0$$



26.

$$6x + 7y = 18$$

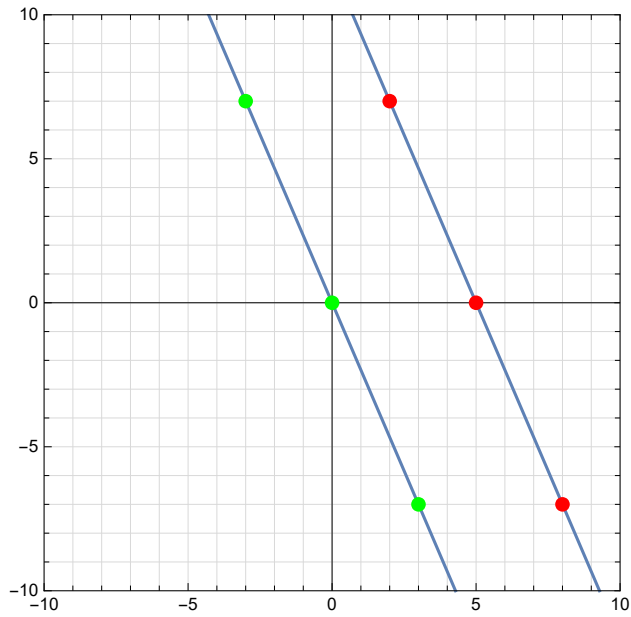
$$6x + 7y = 0$$



27.

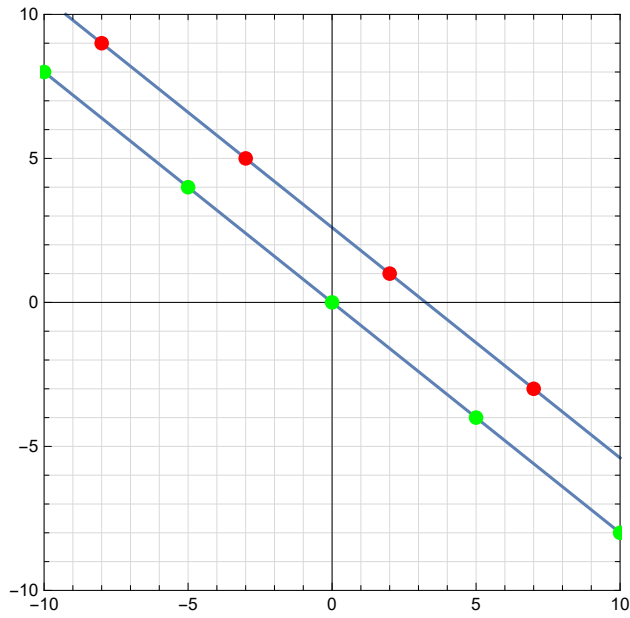
$$7x + 3y = 35$$

$$7x + 3y = 0$$



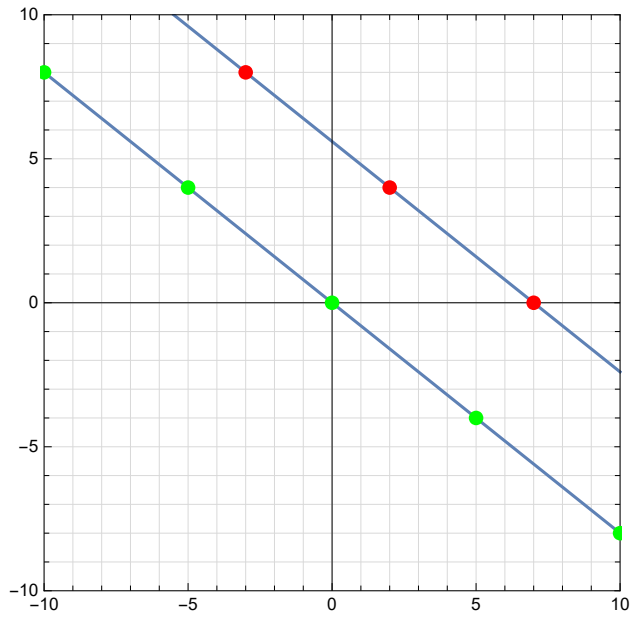
28.

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



29.

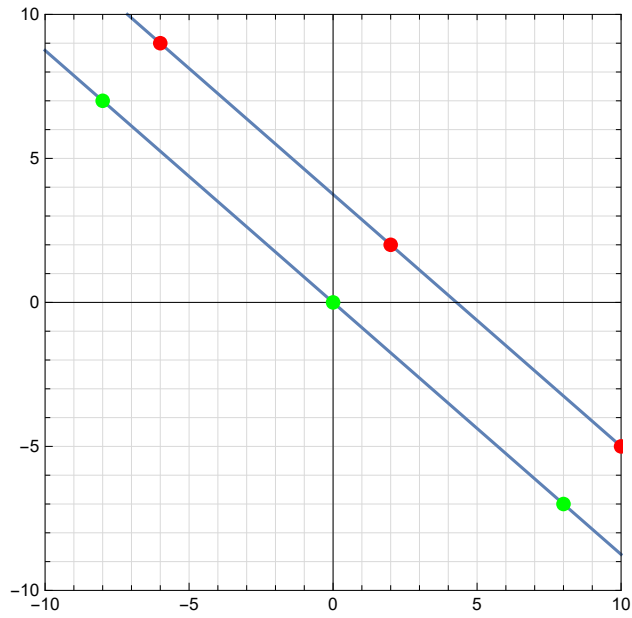
$$4x + 5y = 28$$
$$4x + 5y = 0$$



30.

$$7x+8y=30$$

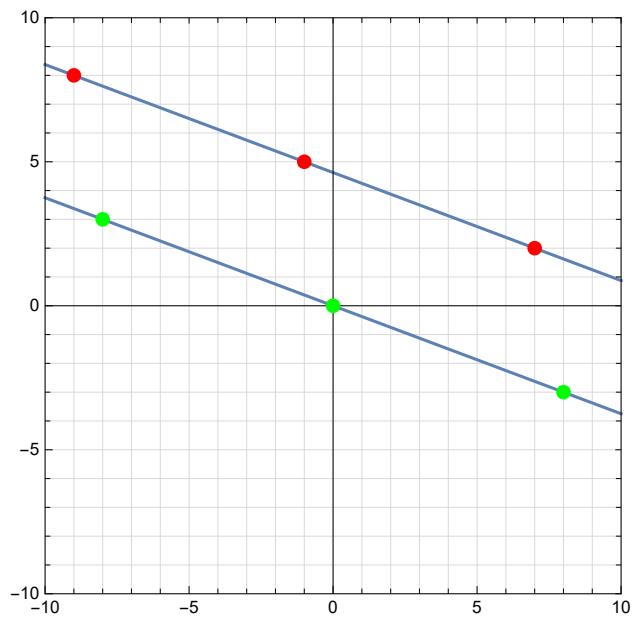
$$7x+8y=0$$



31.

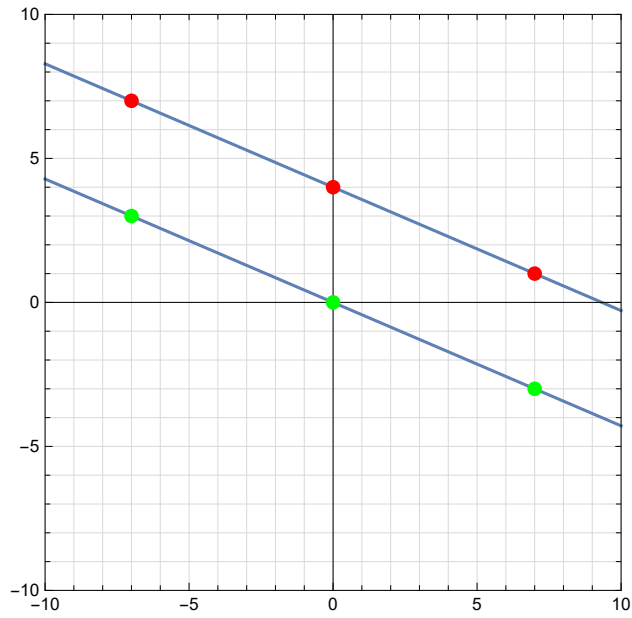
$$3x+8y=37$$

$$3x+8y=0$$



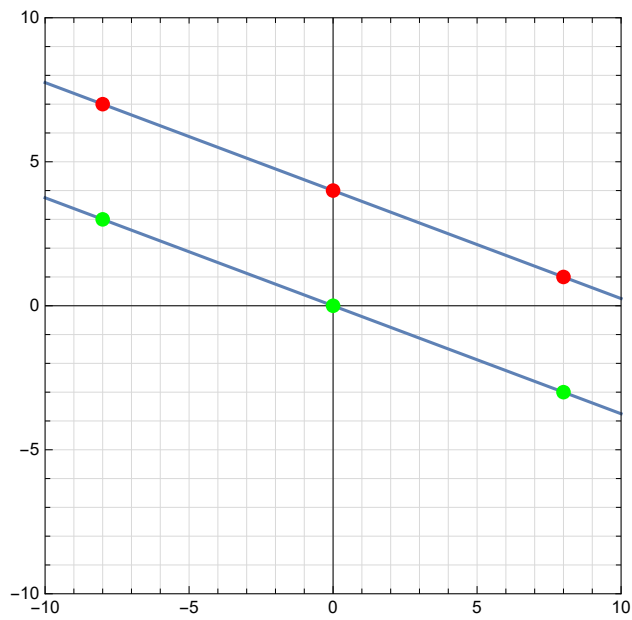
32.

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



33.

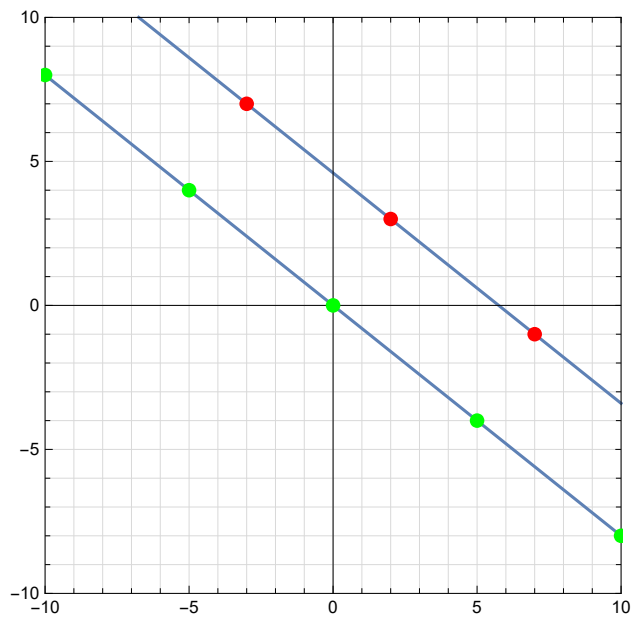
$$\begin{aligned} 3x+8y &= 32 \\ 3x+8y &= 0 \end{aligned}$$



34.

$$4x + 5y = 23$$

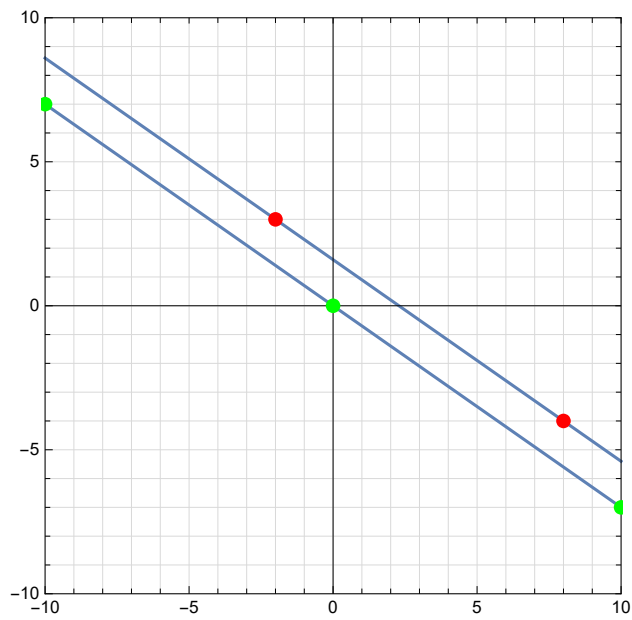
$$4x + 5y = 0$$



35.

$$7x + 10y = 16$$

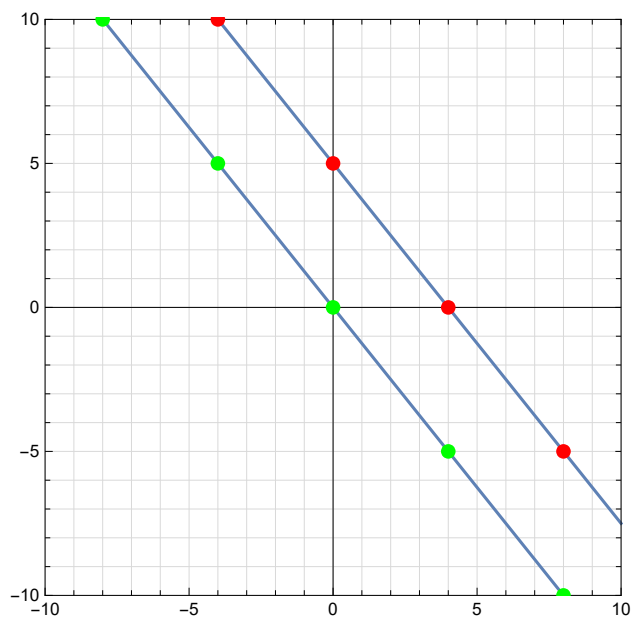
$$7x + 10y = 0$$



36.

$$5x + 4y = 20$$

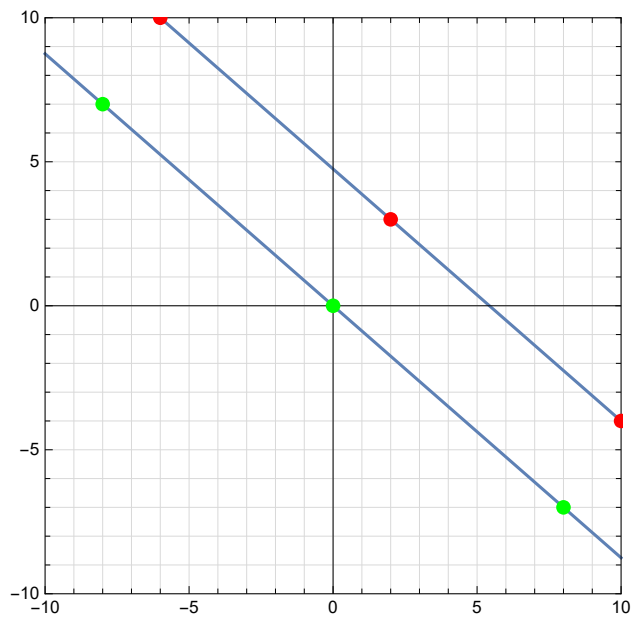
$$5x + 4y = 0$$



37.

$$7x + 8y = 38$$

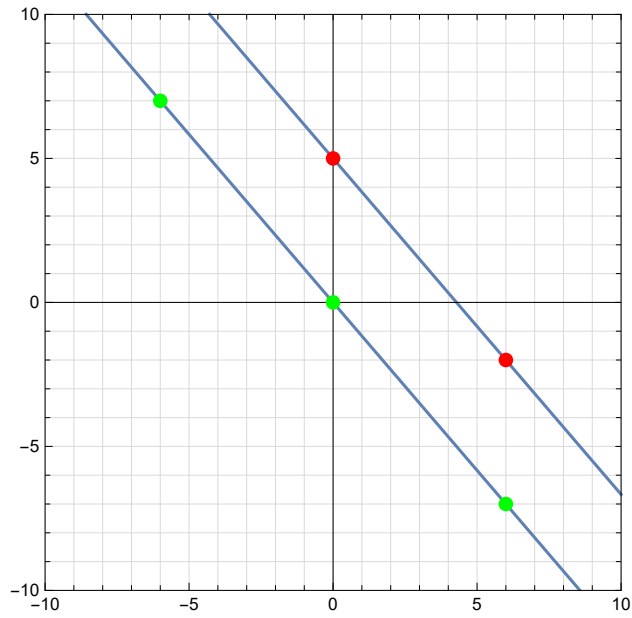
$$7x + 8y = 0$$





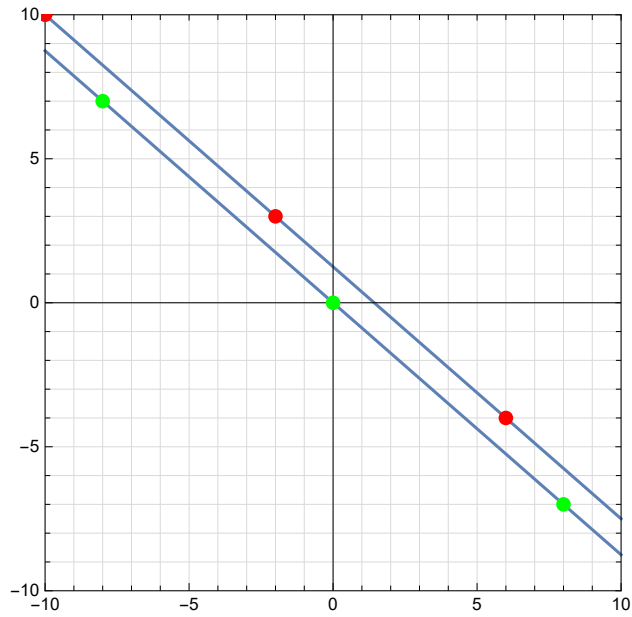
38.

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



39.

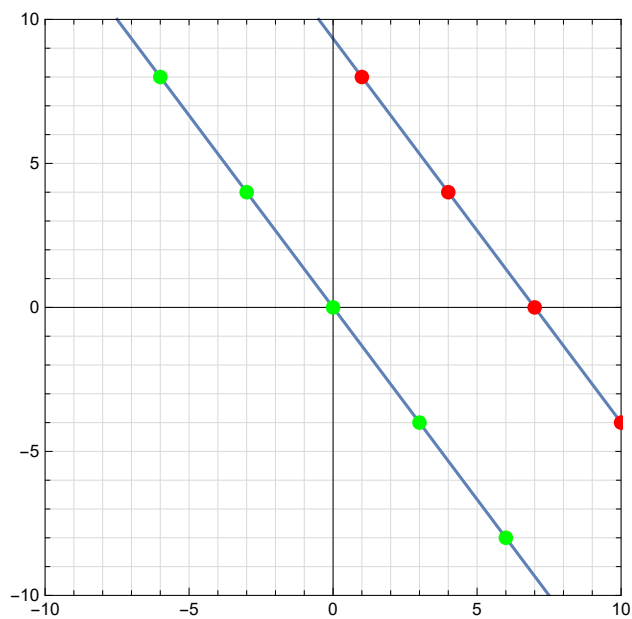
$$\begin{aligned} 7x+8y &= 10 \\ 7x+8y &= 0 \end{aligned}$$



40.

$$4x + 3y = 28$$

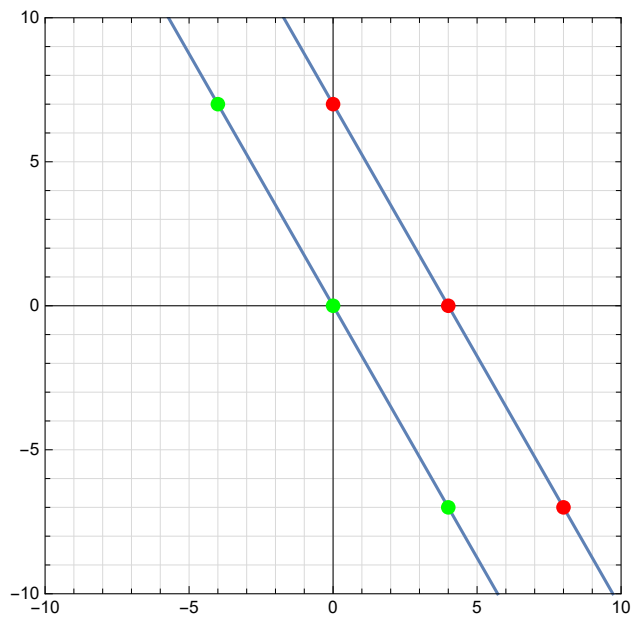
$$4x + 3y = 0$$



41.

$$7x + 4y = 28$$

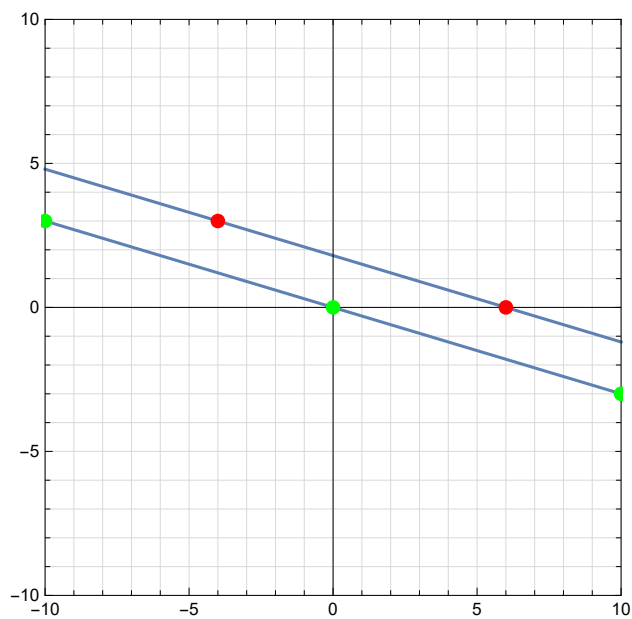
$$7x + 4y = 0$$



42.

$$3x + 10y = 18$$

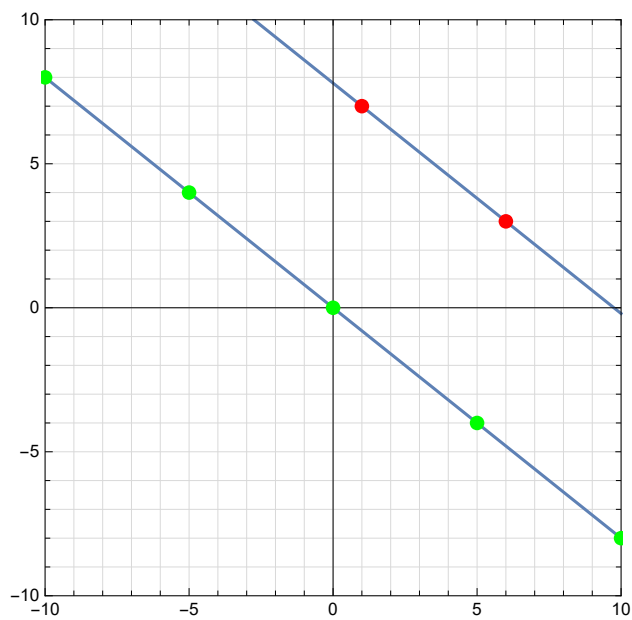
$$3x + 10y = 0$$



43.

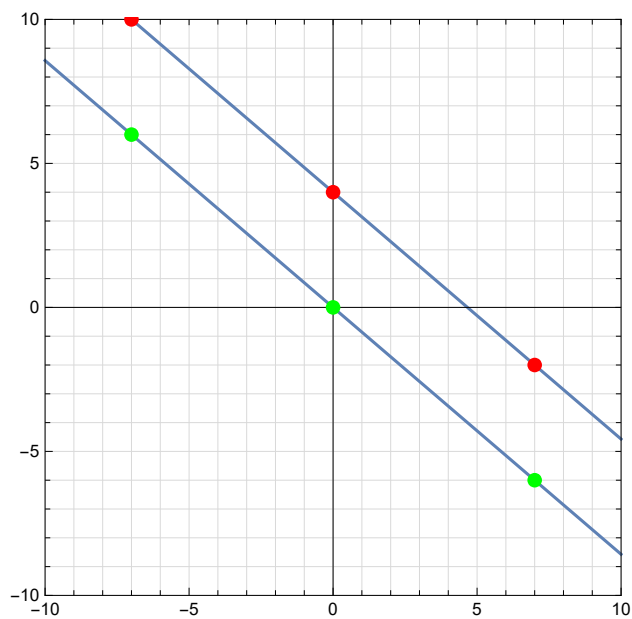
$$4x + 5y = 39$$

$$4x + 5y = 0$$



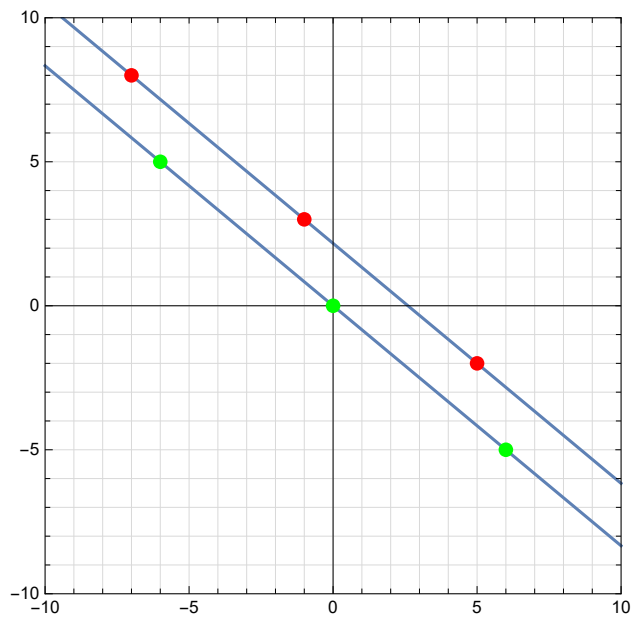
44.

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



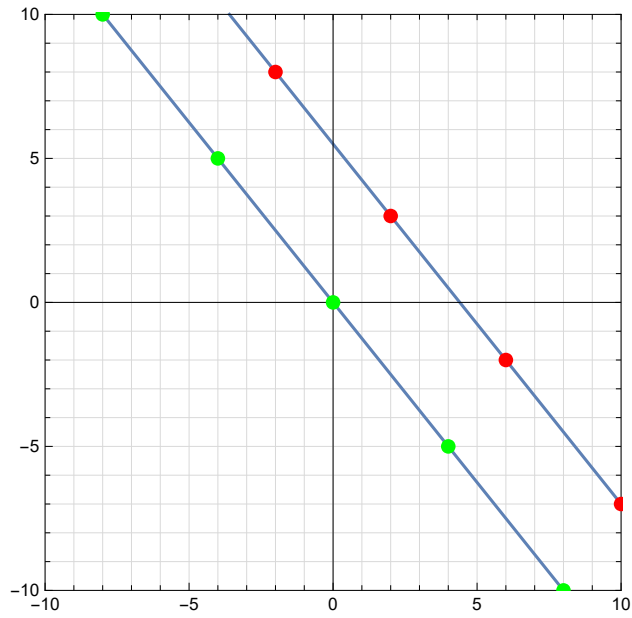
45.

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



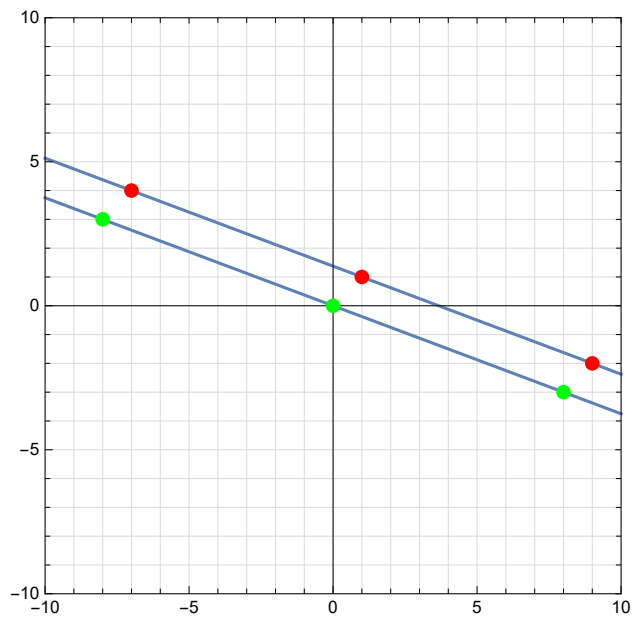
46.

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



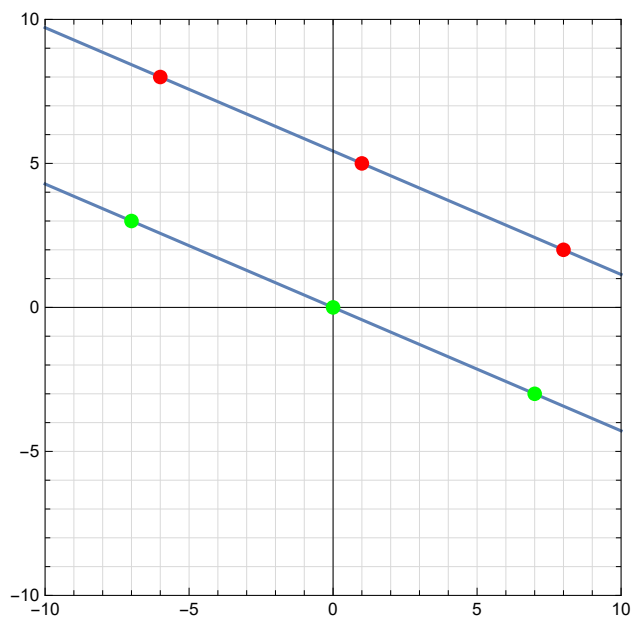
47.

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



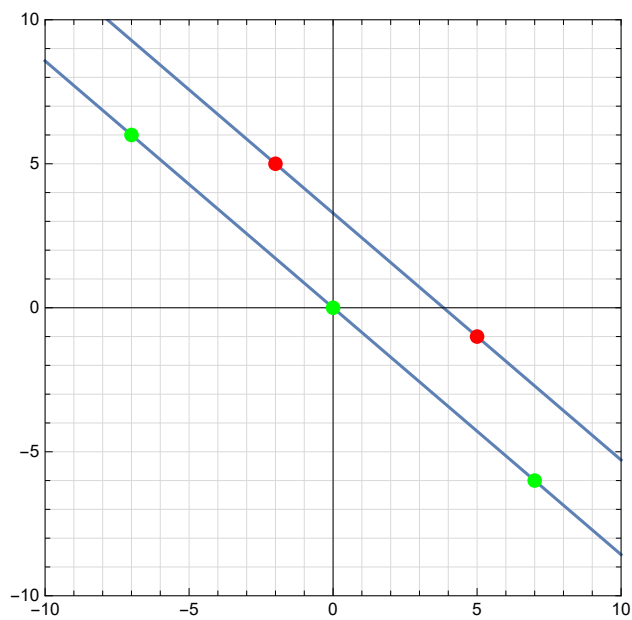
48.

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



49.

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



50.

$$5x+6y=30$$

$$5x+6y=0$$

