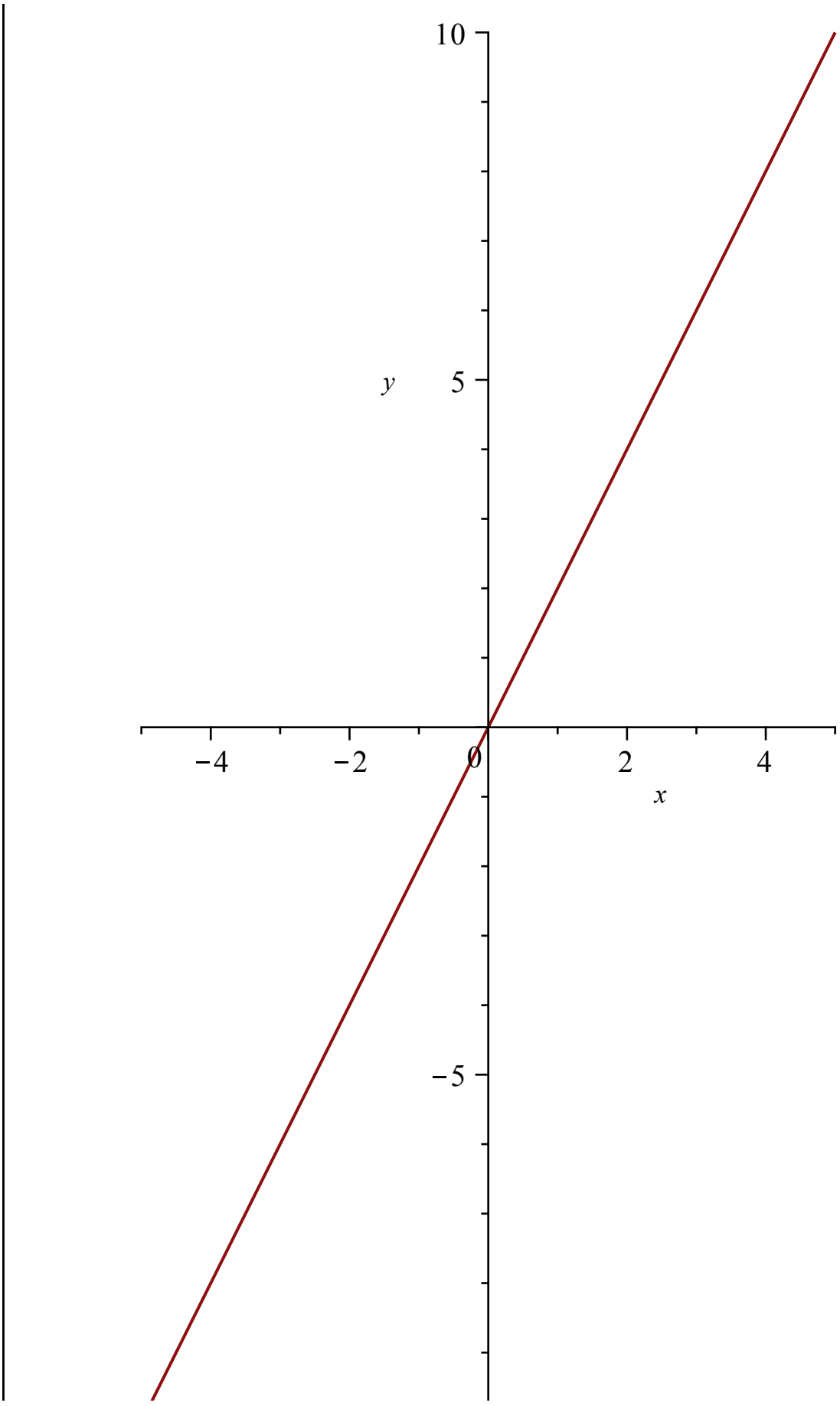
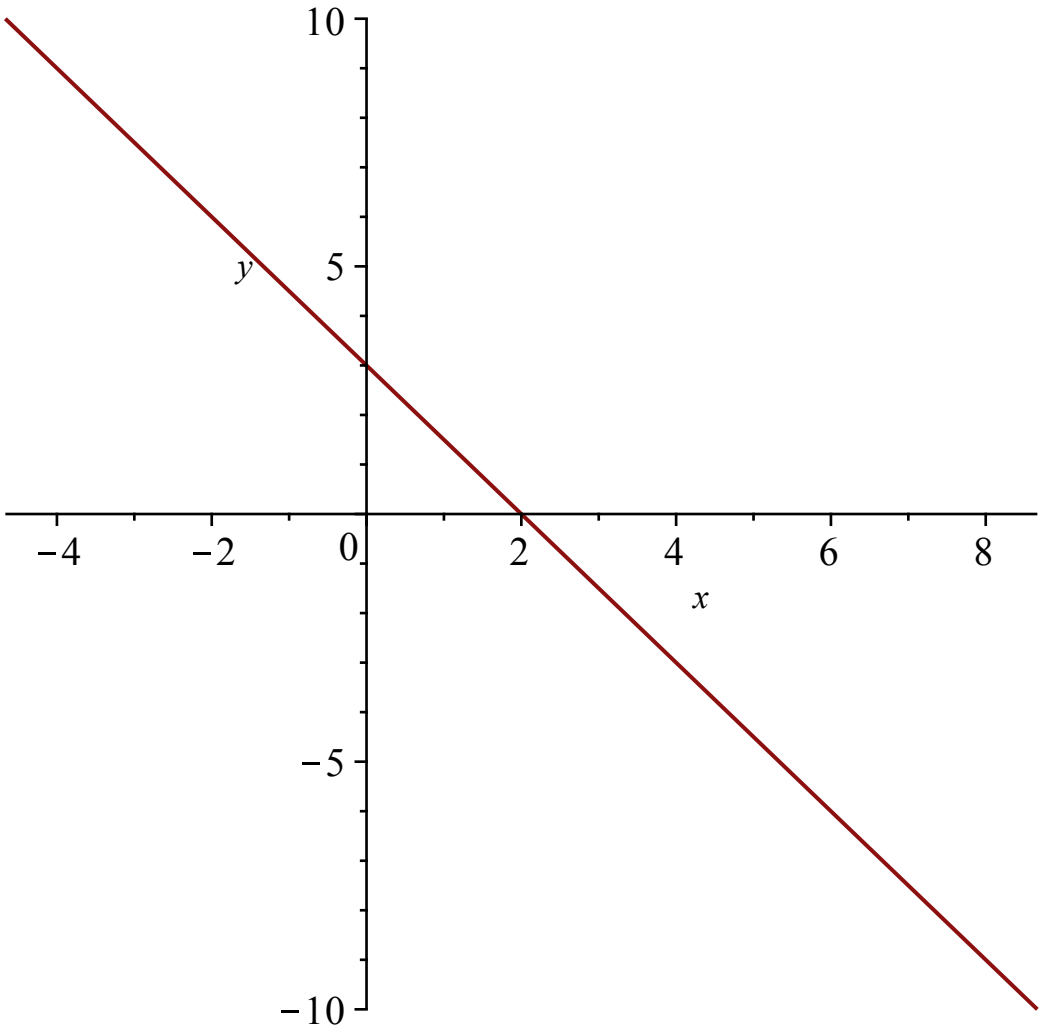
```
> with(plots)
```

[*animate*, *animate3d*, *animatecurve*, *arrow*, *changecoords*, *complexplot*, *complexplot3d*, **(1)**
conformal, *conformal3d*, *contourplot*, *contourplot3d*, *coordplot*, *coordplot3d*, *densityplot*,
display, *dualaxisplot*, *fieldplot*, *fieldplot3d*, *gradplot*, *gradplot3d*, *implicitplot*, *implicitplot3d*,
inequal, *interactive*, *interactiveparams*, *intersectplot*, *listcontplot*, *listcontplot3d*,
listdensityplot, *listplot*, *listplot3d*, *loglogplot*, *logplot*, *matrixplot*, *multiple*, *odeplot*, *pareto*,
plotcompare, *pointplot*, *pointplot3d*, *polarplot*, *polygonplot*, *polygonplot3d*,
polyhedra_supported, *polyhedraplot*, *rootlocus*, *semilogplot*, *setcolors*, *setoptions*,
setoptions3d, *shadebetween*, *spacecurve*, *sparsematrixplot*, *surfdata*, *textplot*, *textplot3d*,
tubeplot]

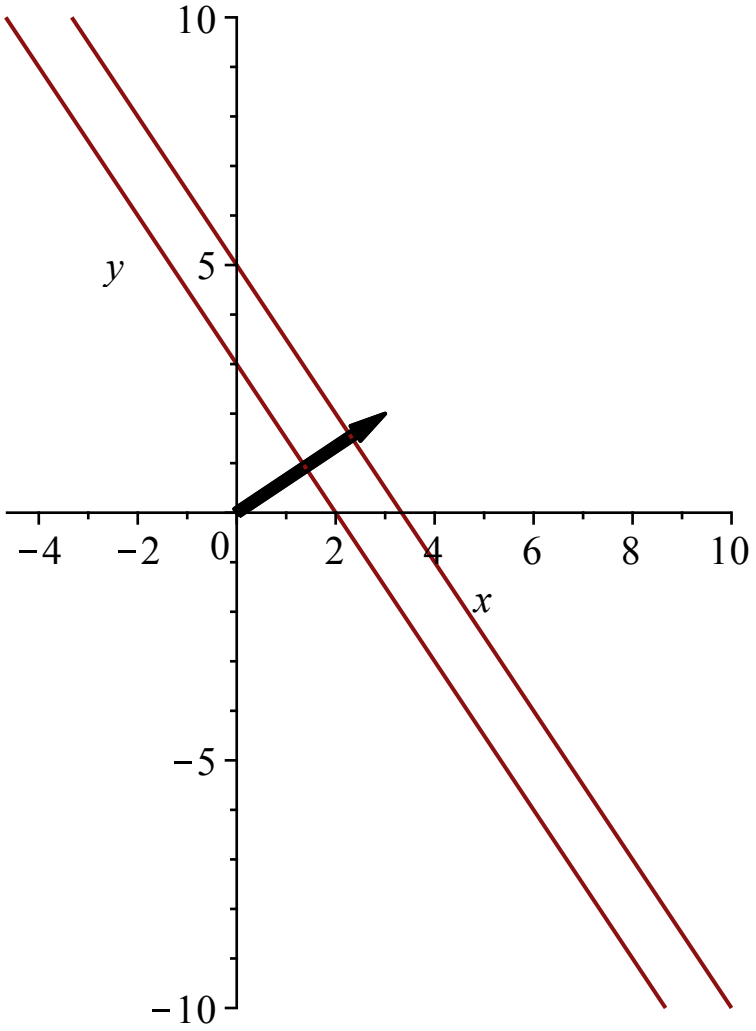
```
> implicitplot(2·y-4·x=0, x=-10 .. 10, y=-10 .. 10)
```


10
y
5
−4
−2
0
2
4
x
−5

```
> implicitplot(3·x + 2·y = 6, x = -10..10, y = -10..10)
```




```
> implicitplot([3·x + 2·y = 6, 3·x + 2·y = 10], x = -10..10, y = -10..10)
      # should constrain graph so units are same
```



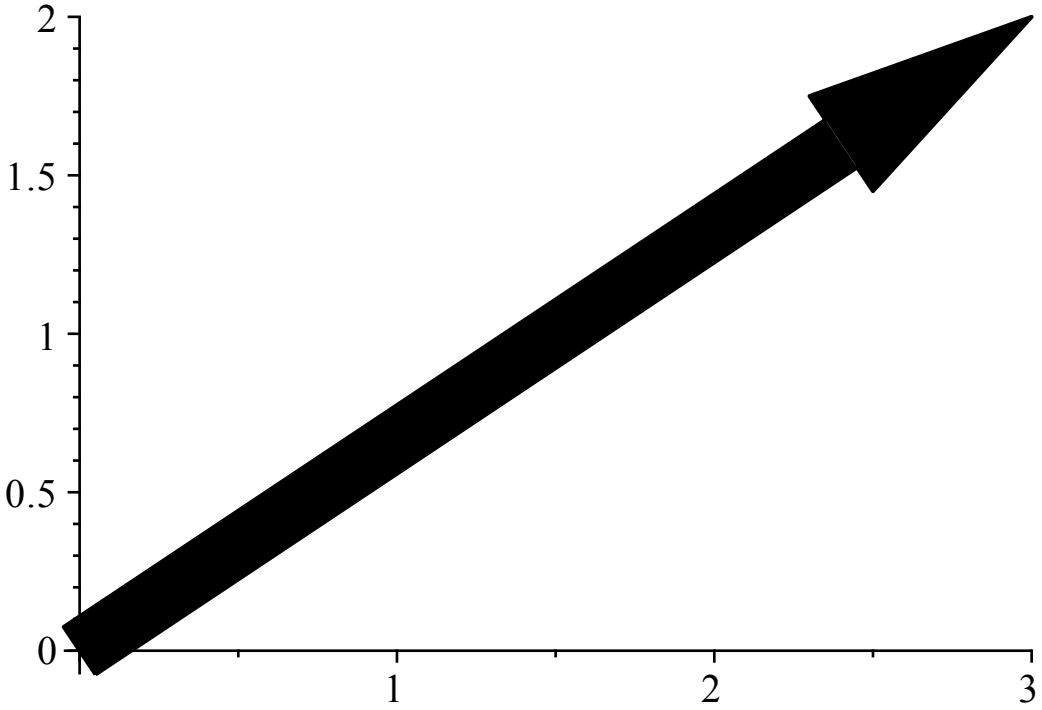

```
> a := Vector([3, 2]); b := Vector([6, 4]); c := Vector([-6,-4])
```

$$a := \begin{bmatrix} 3 \\ 2 \end{bmatrix}$$

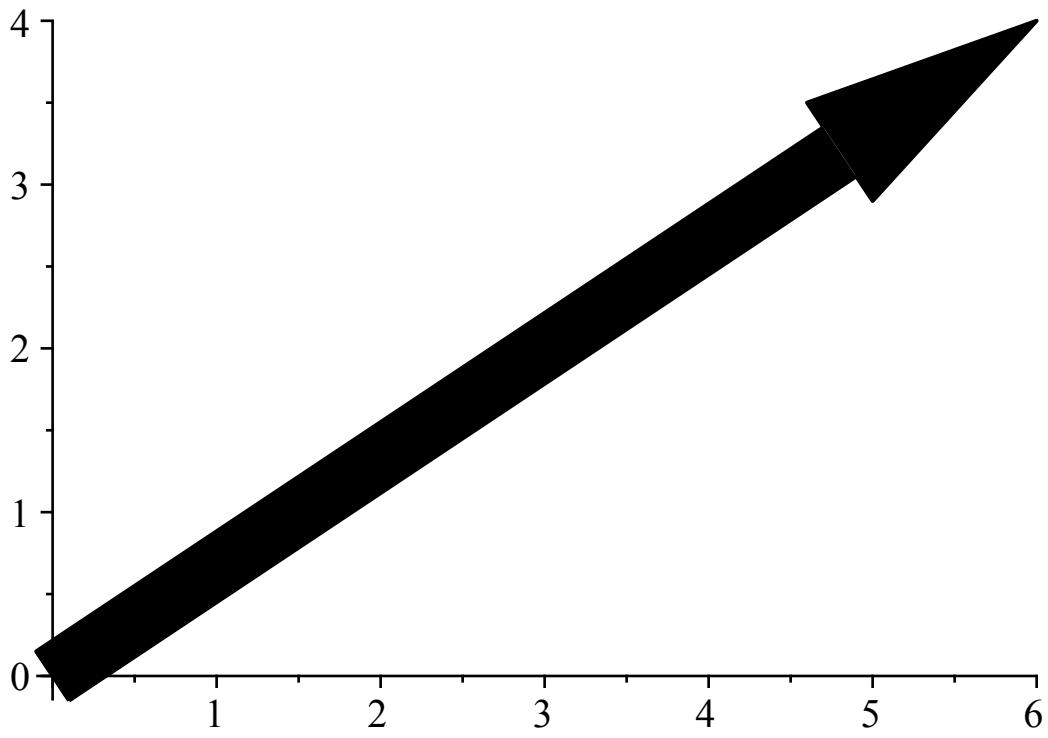
$$b := \begin{bmatrix} 6 \\ 4 \end{bmatrix}$$

$$c := \begin{bmatrix} -6 \\ -4 \end{bmatrix} \quad \textbf{(2)}$$

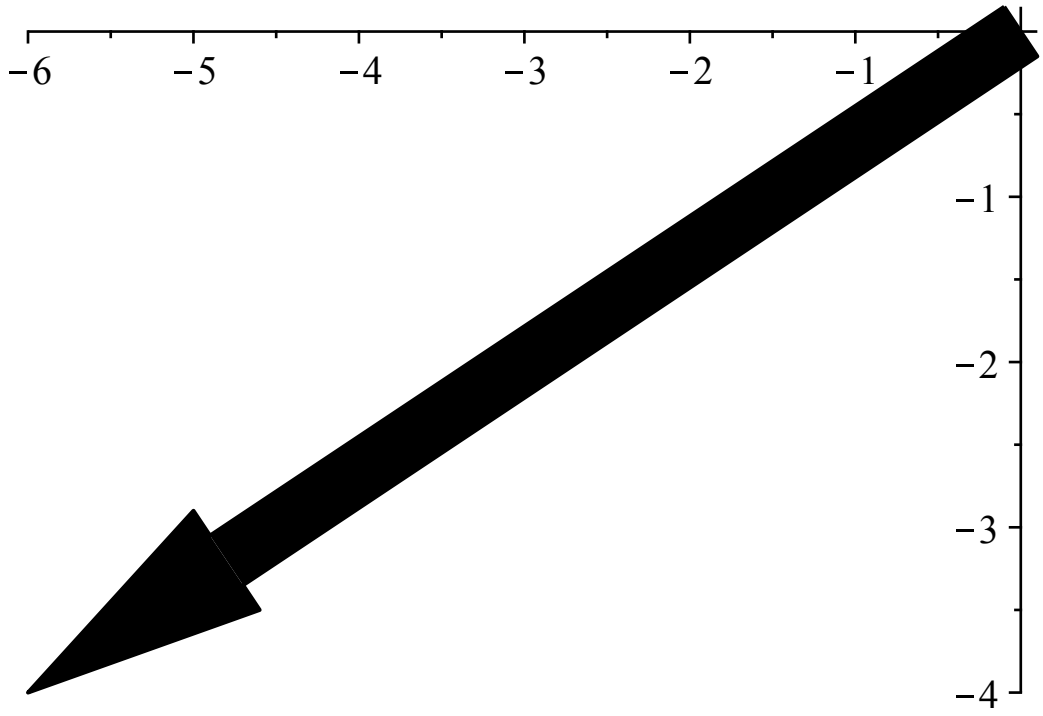
```
> arrow([a]) #note that to copy into the previous graph we should constrain graph
```




```
> arrow(b)
```

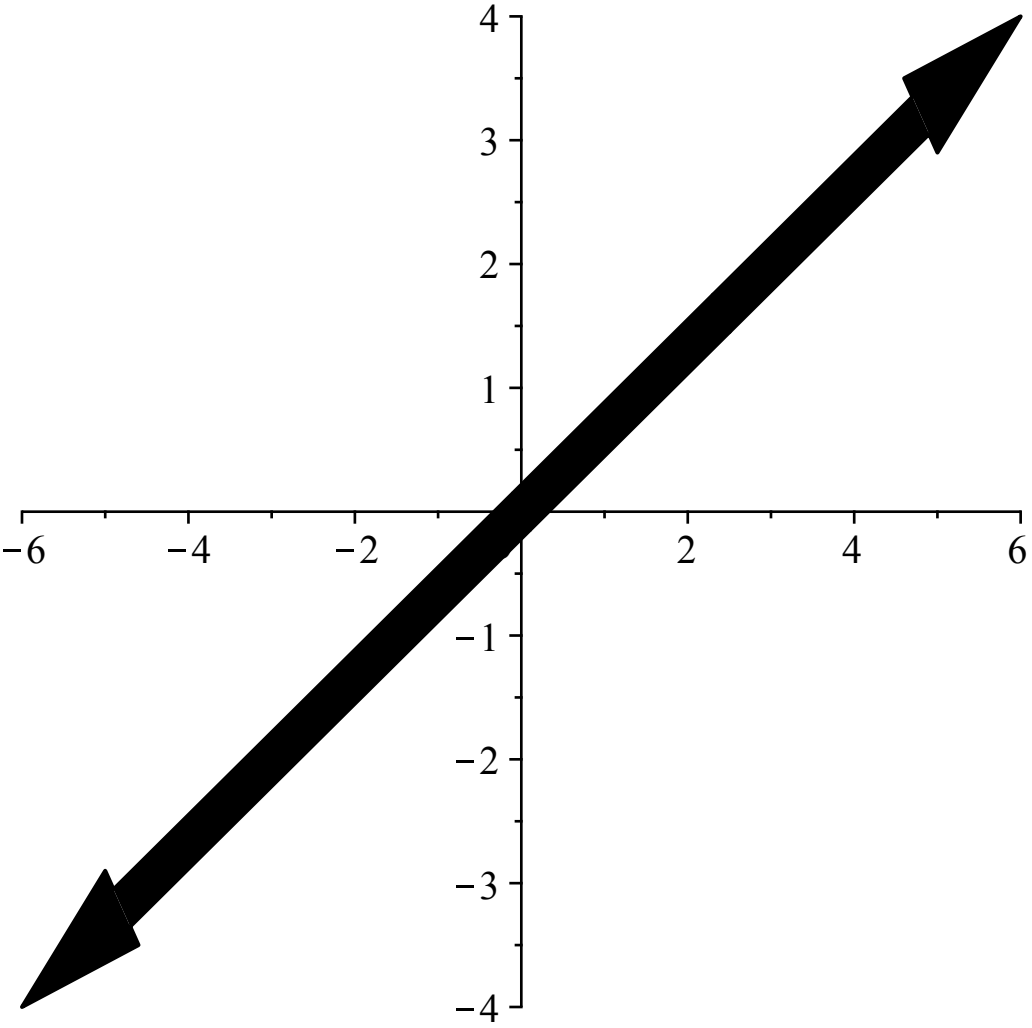



```
> arrow(c)
```

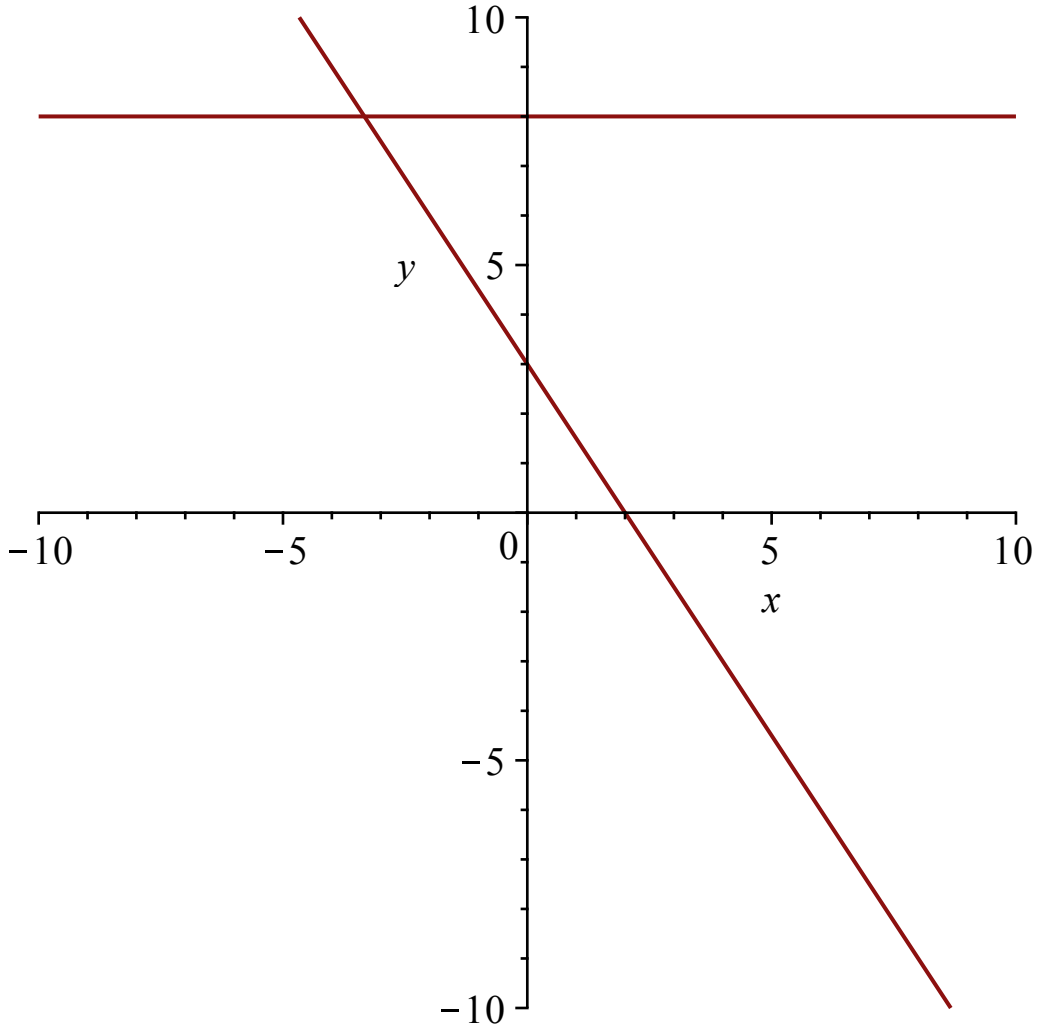


> *arrow*([*a*, *b*, *c*])

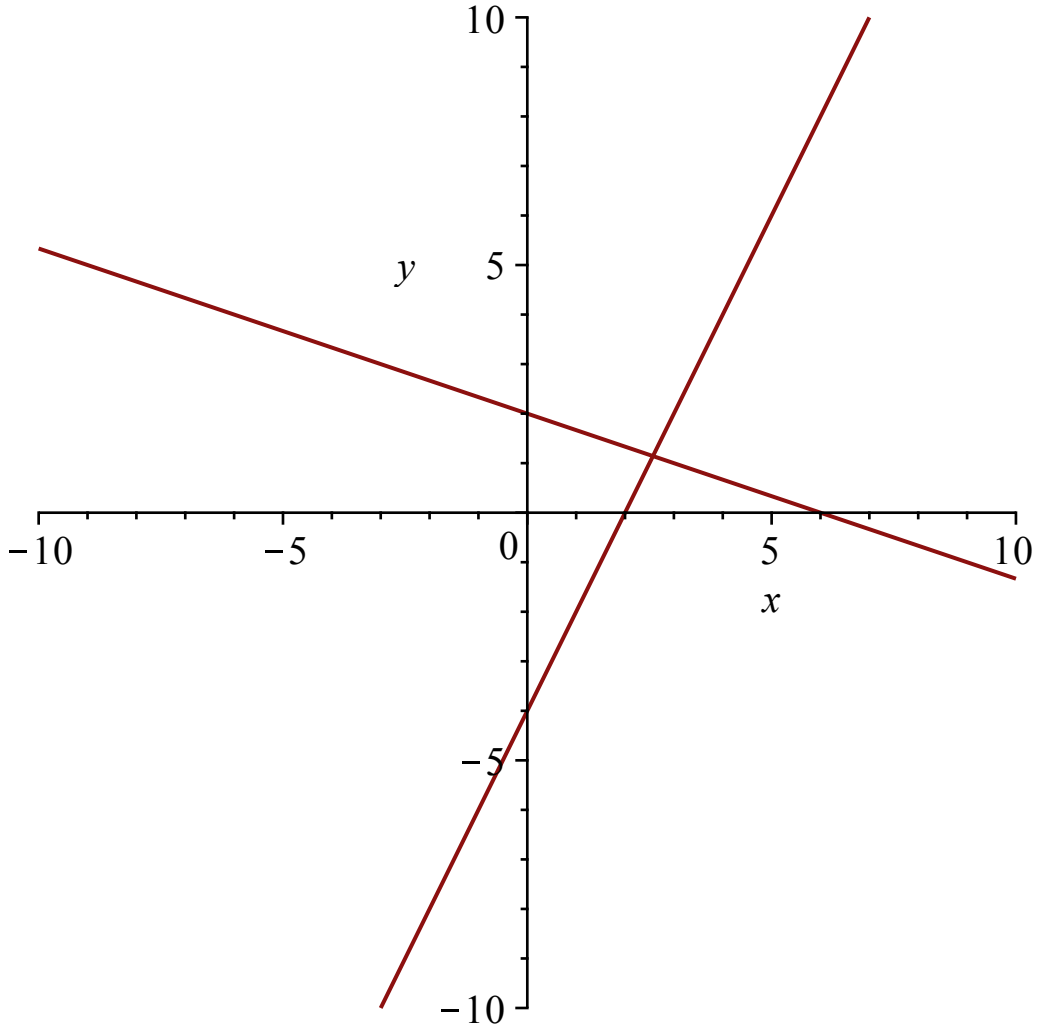
#note they are all on same line as they are multiples of each other; negative multiples change direction



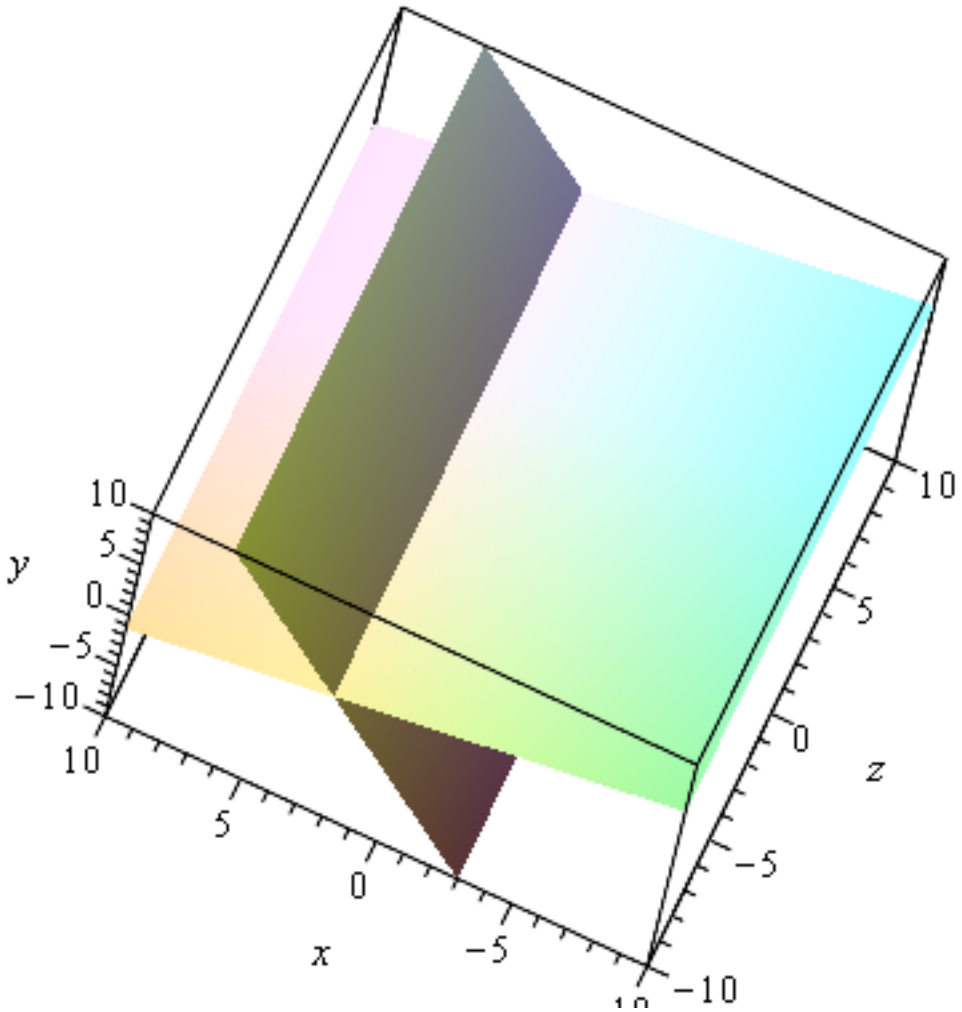
> $implicitplot([3 \cdot x + 2 \cdot y = 6, y = 8], x = -10..10, y = -10..10)$



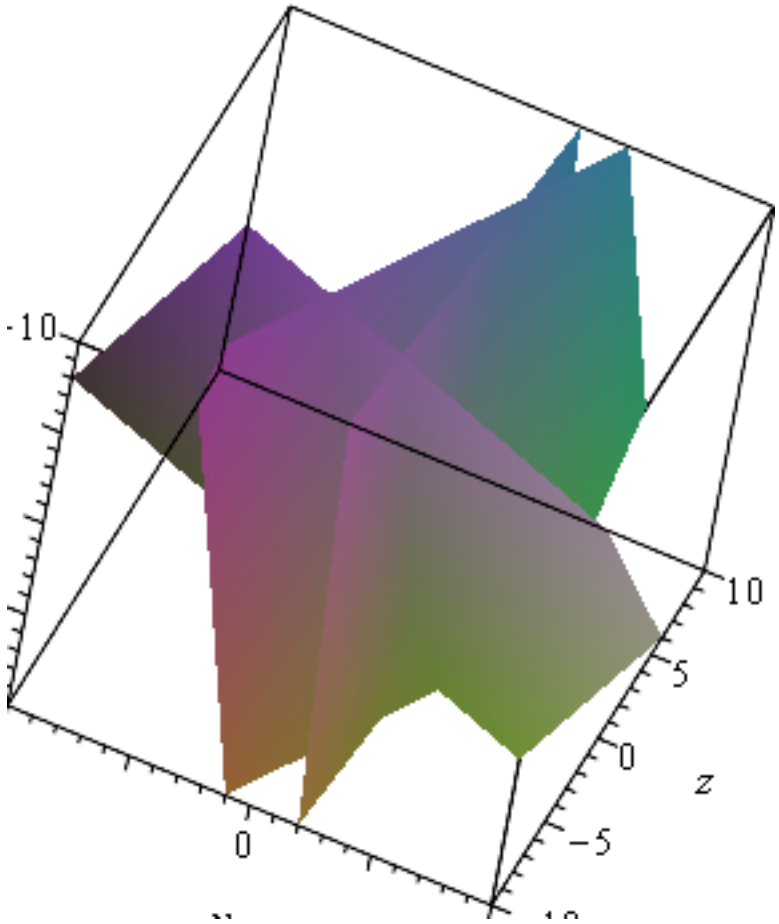

```
> implicitplot( [x + 3·y = 6, 2·x − y = 4], x = -10..10, y = -10..10)
```



> $implicitplot3d([x+3\cdot y=6, 2\cdot x-y=4], x=-10..10, y=-10..10, z=-10..10, style=surface)$



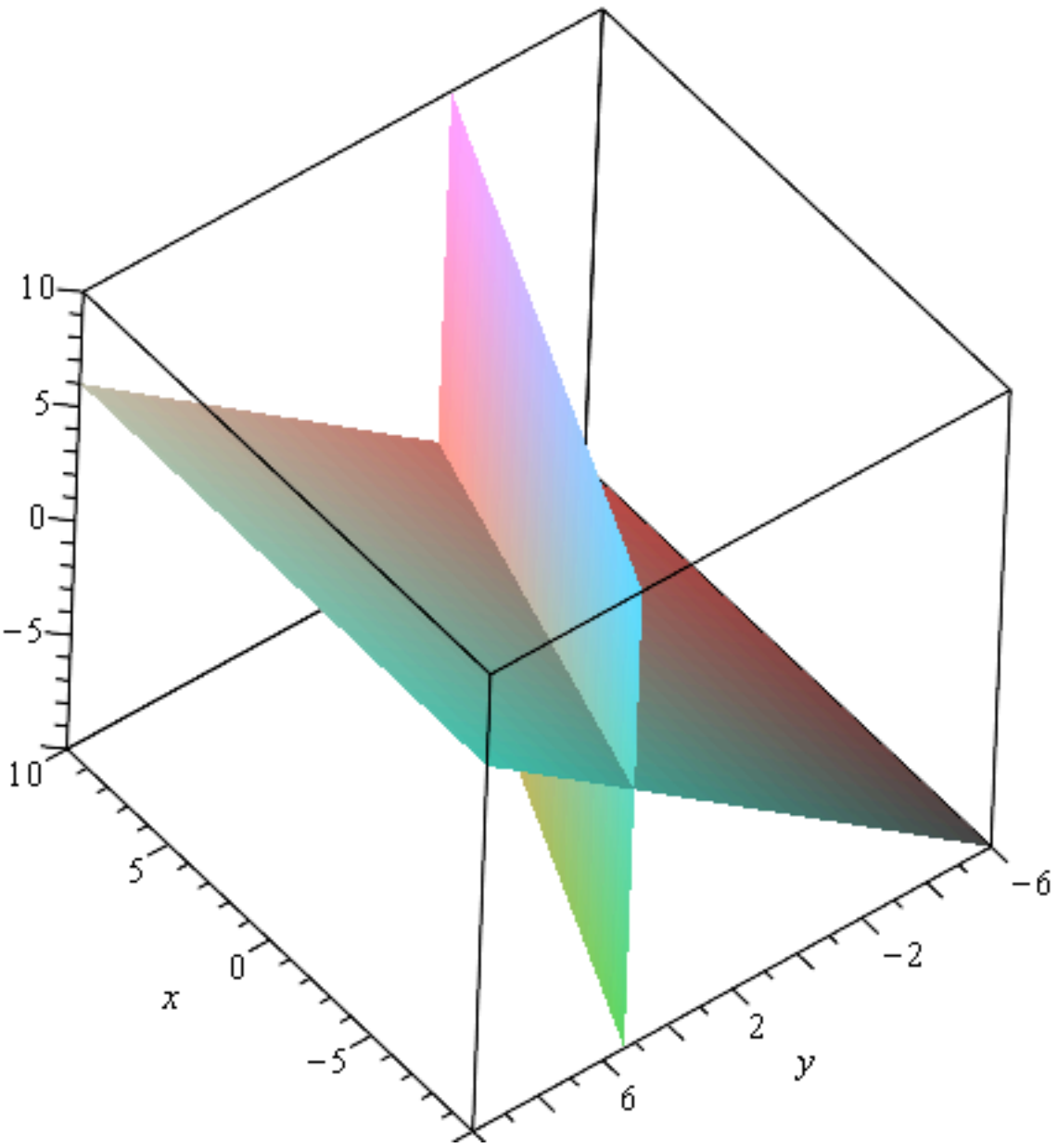
> *implicitplot3d*([$x + 3 \cdot y + z = 6$, $2 \cdot x - y - z = 4$, $3 \cdot x + 4 \cdot y + 2 \cdot z = 6$], $x = -10 \ldots 10$, $y = -10 \ldots 10$, $z = -10 \ldots 10$, *style* = *surface*)




```
> implicitplot3d([x + 3·y = 6, y − z = 4, 3·x + 2·z = 6], x = -10..10, y = -10..10, z = -10..10,
      style = surface)
```

$$implicitplot3d([x + 3\,y = 6, y - z = 4, 3\,x + 2\,z = 6], x = -10..10, y = -10..10, z = -10..10, style = surface) \quad \textbf{(3)}$$

```
> implicitplot3d([x + 3·y = 6, y − z = 4], x = -10..10, y = -10..10, z = -10..10, style = surface)
```


10
5
0
−5
10
5
0
x
−5
6
2
−2
y
−6

>