

Create a Christmas masterpiece by filling in the tables below and plotting all of the lines on one set of axes.

Only plot the given x - and y -coordinates, and remember to think about the size of the axes you need before you start drawing!



Red

$y = -9$

x	-2	-1	0	1	2
y					

$y = -7$

x	-2	-1	0	1	2
y					

$x = -2$

x			
y	-9	-8	-7

$x = 2$

x			
y	-9	-8	-7

Brown

$x = -1$

x		
y	-7	-6

$x = 1$

x		
y	-7	-6

Green

$y = -6$

x	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8
y																	

$y = 2 + x$

x	-8	-7	-6	-5	-4
y					

$y = -2$

x	-7	-6	-5	-4
y				

$y = x + 5$

x	-7	-6	-5	-4	-3
y					

$y = 2$

x	-5	-4	-3
y			

$y = x + 7$

x	-5	-4	-3	-2	-1
y					

$y = 6$

x	-2	-1
y		



$y = x + 8$

x	-2	-1	0
y			

$y + x = 2$

x	4	5	6	7	8
y					

$y = -2$

x	4	5	6	7
y				

$y = 5 - x$

x	3	4	5	6	7
y					

$y = 2$

x	3	4	5
y			

$y = 7 - x$

x	1	2	3	4	5
y					

$y = 6$

x	1	2
y		

$y + x = 8$

x	0	1	2
y			

Extension



Decorate your tree by adding tinsel and baubles:

- Tinsel: use different colours to draw straight lines of tinsel on your tree. Give the equation of each line by looking at the gradient and y-intercept.
- Baubles: Fill in any empty spaces with colourful baubles. Give the coordinates of where each bauble attaches to the tree.

Tinsel	Baubles

