Exercise 1: Fill the tables, then graph:

x		
x + 1		

x		
x - 2		

x		
x + 3		
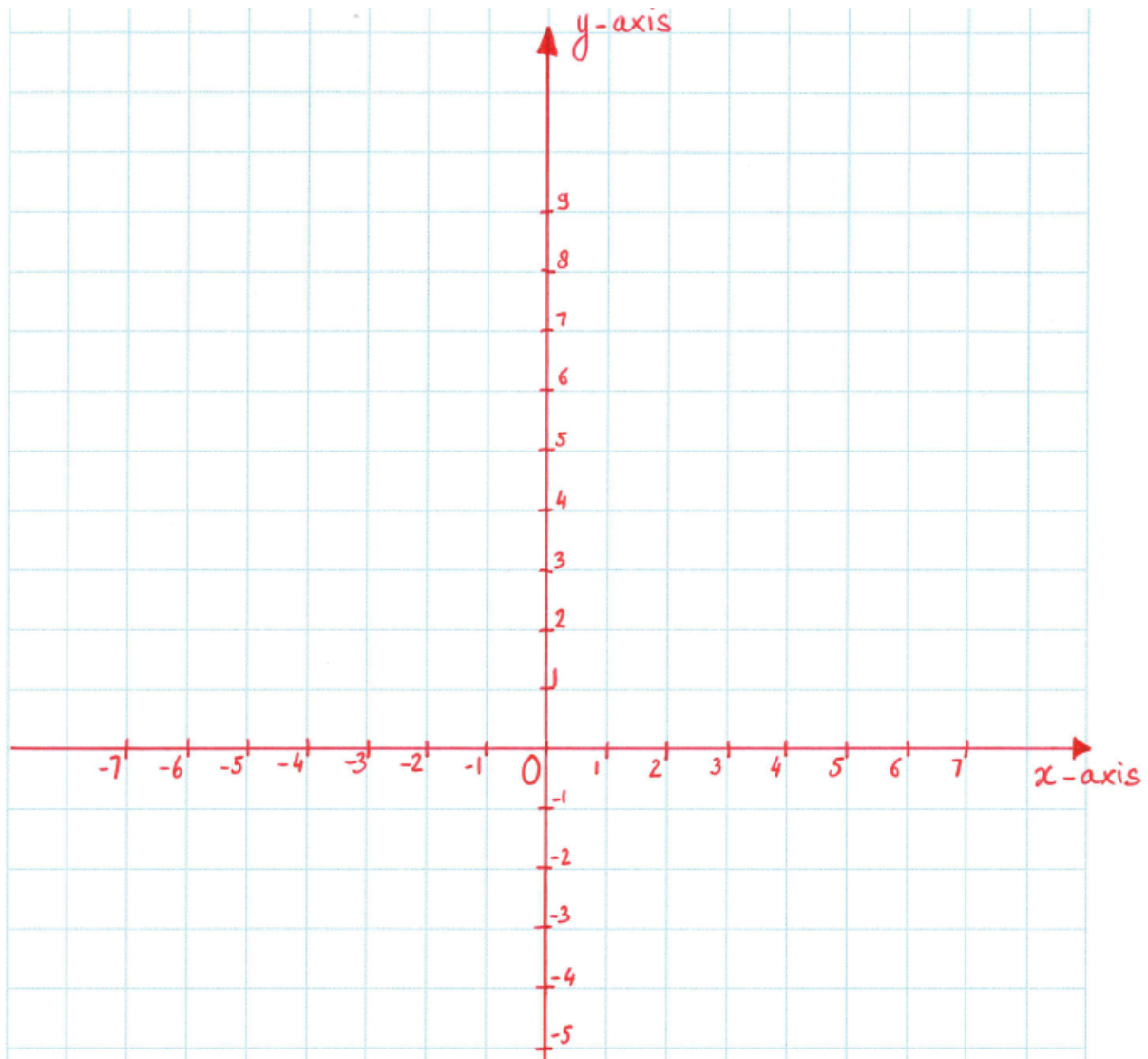
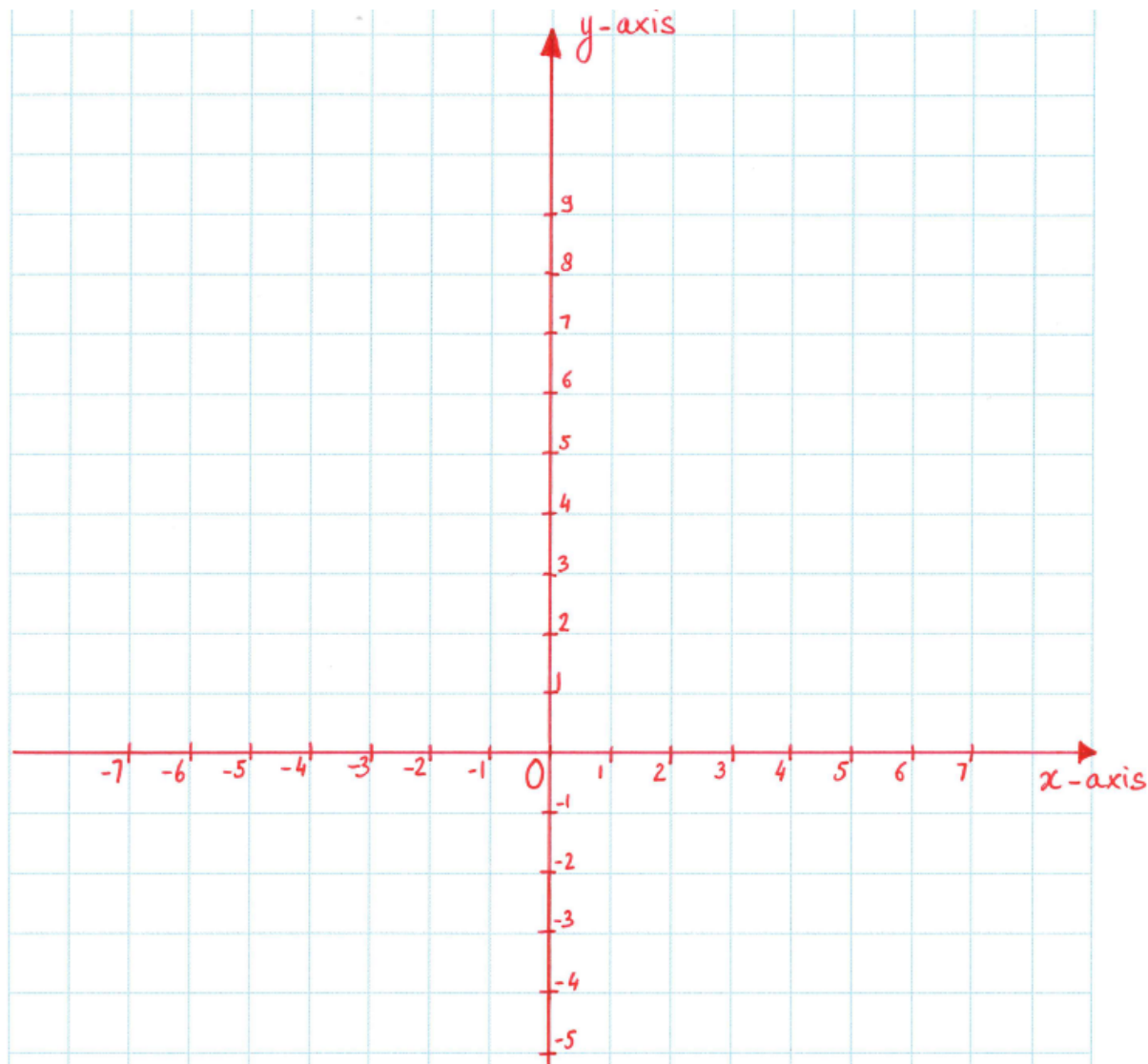Question 1: Are these lines parallel?

Question 2: For each line, mark on the graph the intersection with the y-axis. What do you notice when you compare it with the equation of the line?

Exercise 2: Fill the tables, then graph:

x		
2x + 1		

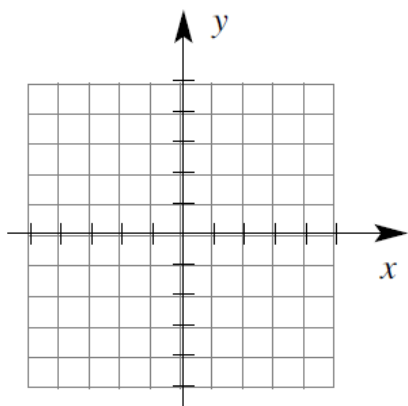| x		
2x + 2		

x		
2x - 3		

Question 1: Are these lines parallel?

Question 2: For each line, mark on the graph the intersection with the y-axis. What do you notice when you compare it with the equation of the line?

Question B: Complete each table of values and then graph the equation on the Cartesian plane.
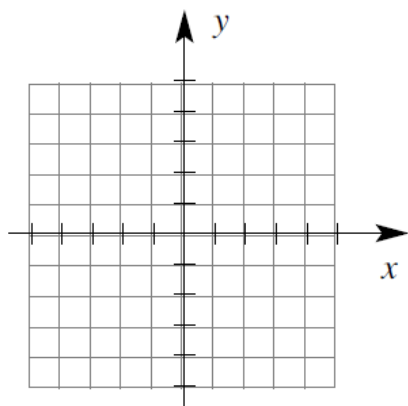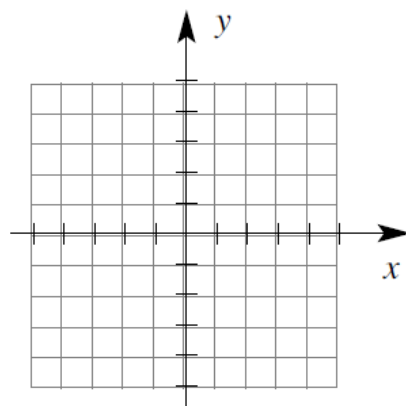
a) $y = 2x - 2$

x	0	
y		

b) $y = \frac{1}{2}x + 1$

x	0	
y		

c) $y = -3x + 2$

x	0	
y		

d) $y = -3x - 1$

x	0	
y		
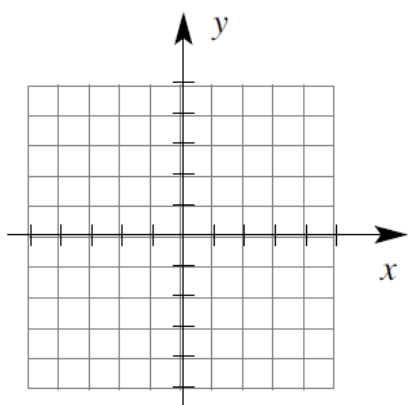
e) $y = \frac{1}{2}x - 3$

x	0	
y		
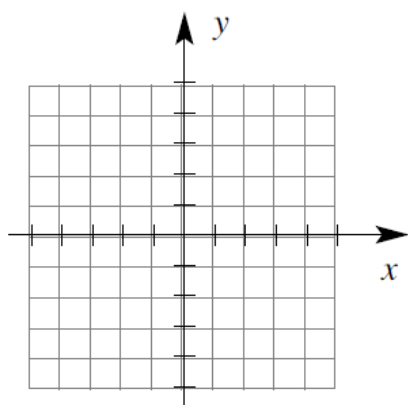
f) $y = 2x + 2$

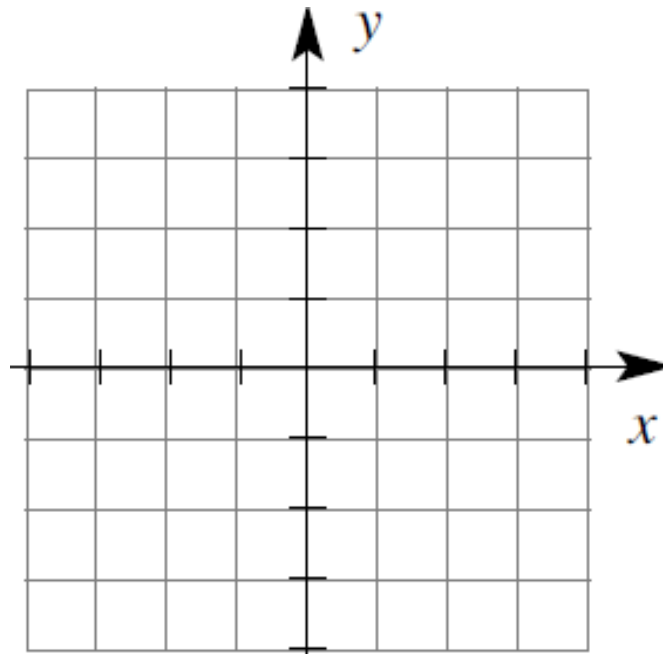| x	0	
y		
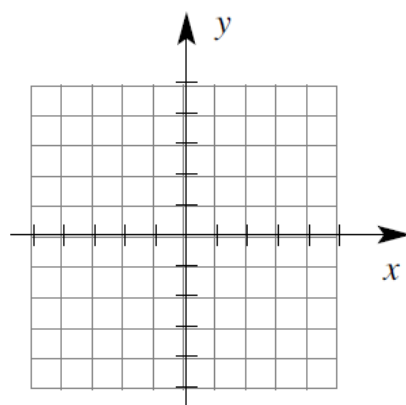
List the pairs of lines which are parallel.

Question C: a) On the same Cartesian plane, graph the following equations by first completing the tables of values.

$$y = 2x - 1 \qquad\qquad\qquad y = x + 1$$

x	0	
y		

x	0	
y		

b) What are the coordinates of their point of intersection (*don't forget the brackets!*)