

Level 4 Homework – Straight Line

Show all workings

Q1. By using a table of values, draw the following lines:

(a) $y = x + 2$

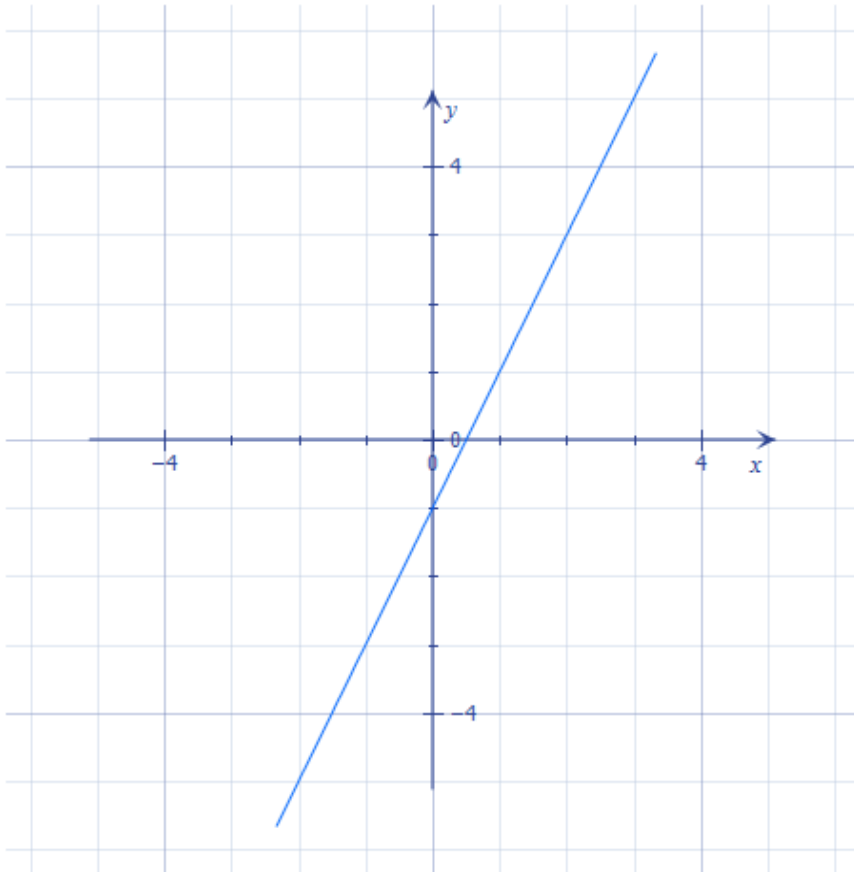
(b) $y = -x + 4$

(c) $y = 3x - 7$

Q2. State the gradient and the y – intercepts of the lines in Q1.

Q3. i) State the **gradient** of the line shown below

ii) State the **equation** of the line below



Q4. **State the gradients** of the lines joining the following sets of points and describe their nature using the words negative, positive, steep, gradual:

(i) $A(-1, -5)$ and $B(3, 4)$

(ii) $C(2, 3)$ and $D(6, -8)$

(iii) $E(2, 2)$ and $F(3, 4)$

Q5. Draw a pair of parallel lines and state their equations. What can you say about their gradients?

Can this be said for all parallel lines?