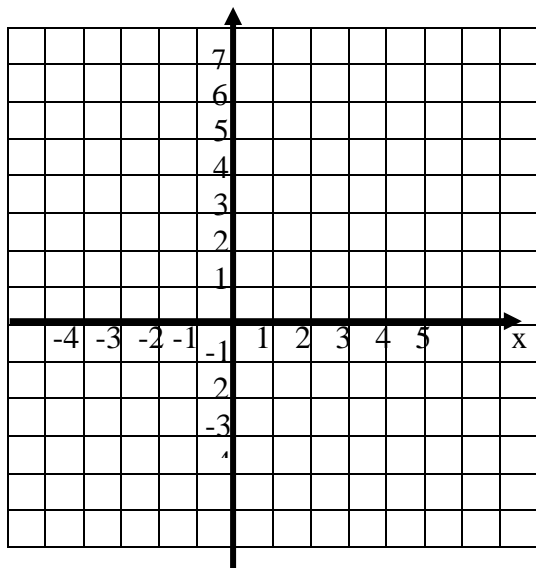


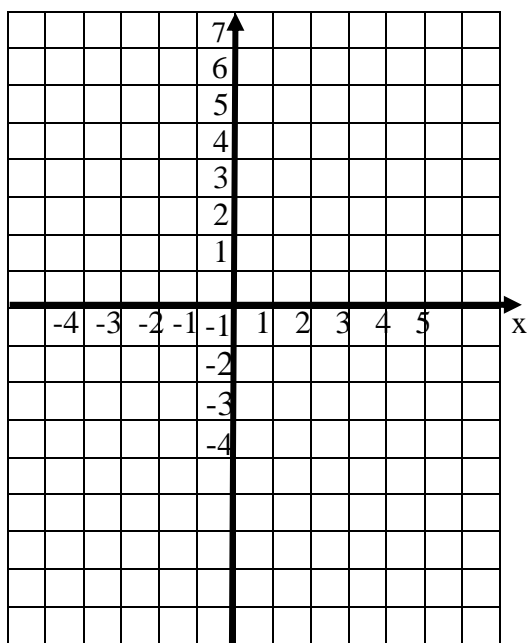
Y 12 : "PIECES" OF GRAPHS.

1(a) Draw $y = x + 1$ just for x values less than or equal to 2 (ie $x \leq 2$)



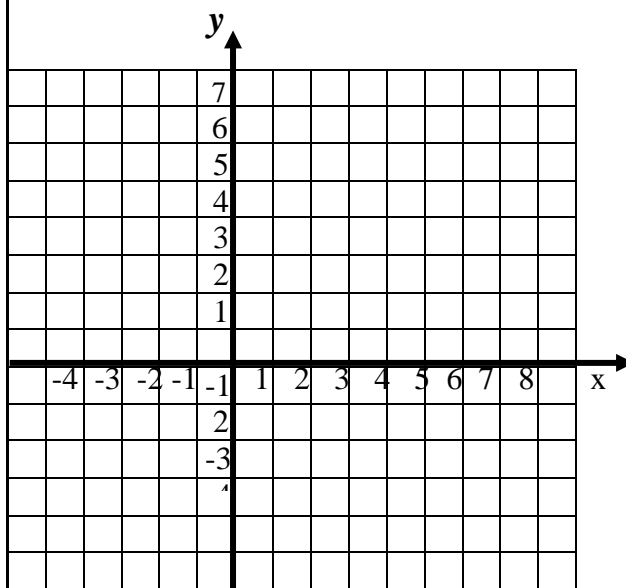
(b) Draw $y = 5 - x$ just for x values ≥ 2 and draw this on the above grid.

2.(a) On the grid below, draw part of the graph of $y = \frac{1}{2}x - 2$ for all x values which are less than or equal to 4 ie $x \leq 4$

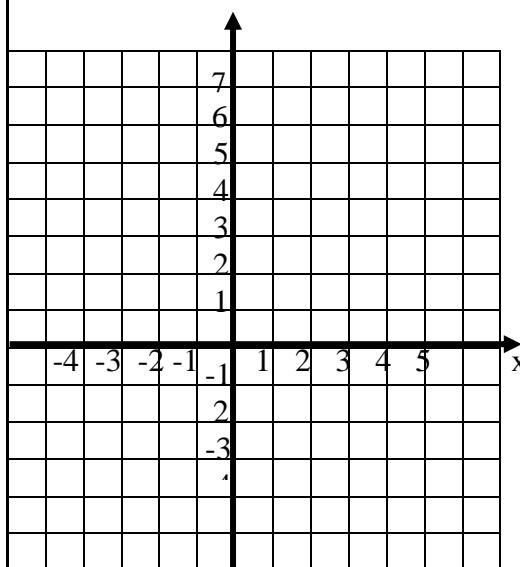


(b) Draw part of the graph $y = x - 4$ just for $x \geq 4$ and draw this on the above grid.

3. Draw $y = 2$ for $x \leq 0$ and on the same grid draw $y = -\frac{1}{2}x + 2$ for $x \geq 0$

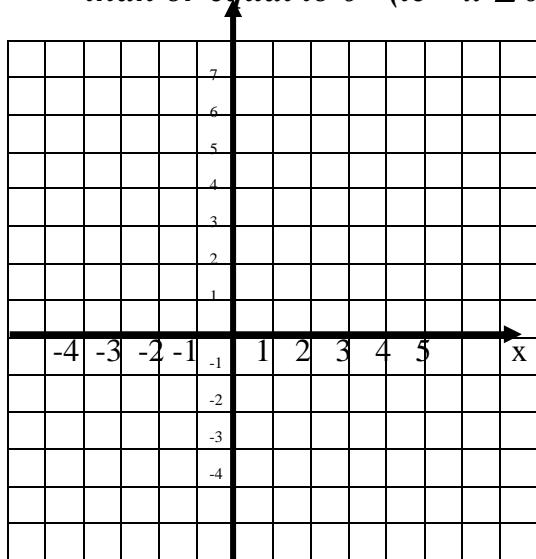


4. On the grid below, draw part of the graph of $y = -x$ for all x values which are less than or equal to 0



(b) Also draw part of the curve $y = x$ for $x \geq 0$ on the same grid.

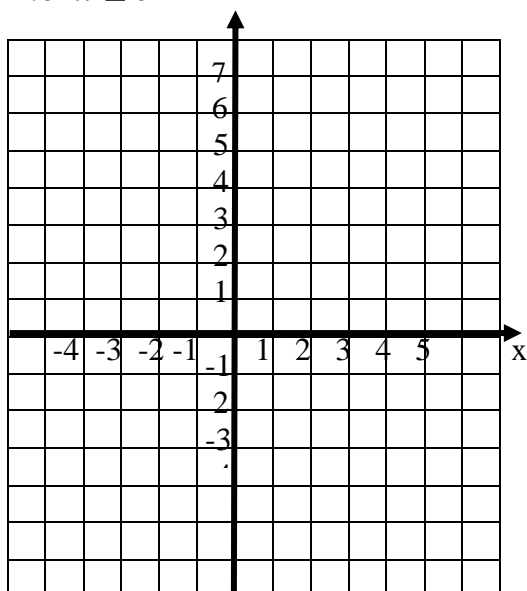
5(a) Draw $y = 3$ just for x values less than or equal to 0 (ie $x \leq 0$)



(b) Draw $y = 3 - x$ just for x values $0 < x < 3$.

(c) Draw $y = x - 3$ just for x values $x \geq 3$.

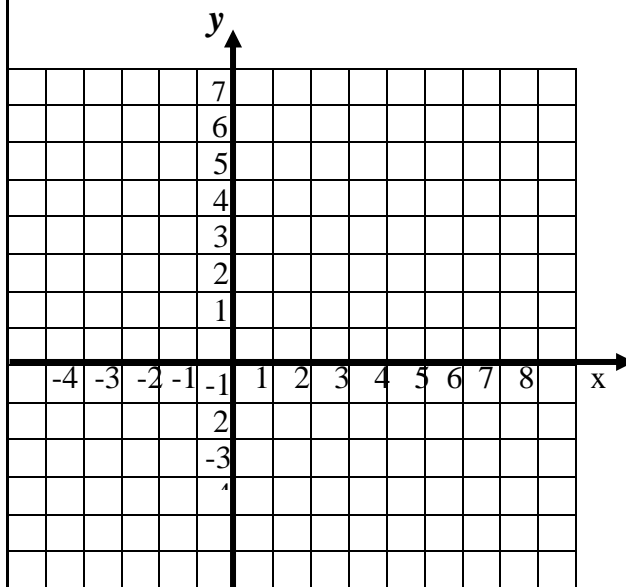
6.(a) On the grid below, draw part of the graph of $y = 4$ for all x values which are less than or equal to 0 ie $x \leq 0$



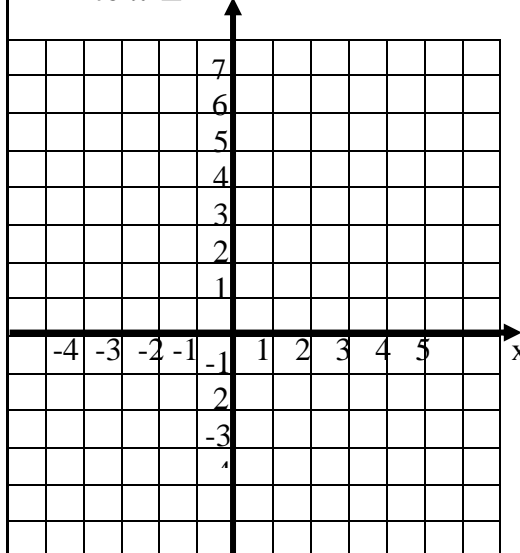
(b) Draw part of the graph $y = 2$ for x values between 0 and 3 ie $0 < x < 3$

(c) Draw part of the graph $y = 1$ for x values over 3 ie $x \geq 3$

7. Draw $y = 5$ for $x \leq -2$ and on the same grid draw $y = 3$ for $-2 < x \leq 2$ and $y = 1$ for $x > 2$



8. On the grid below, draw part of the graph of $y = x + 5$ for all x values which are less than or equal to -2 ie $x \leq -2$



(b) Also draw part of the graph $y = 4$ for $-2 < x < 2$

(c) Also draw part of the graph $y = 2 - x$ for $x \geq 2$