



a) Does each point lie on, above or below the line  $y = 7 - \frac{1}{2}x$ ? Tick your answers.

	On	Above	Below
(2, 9)			
(1, 7)			
(–5, 6)			
(4, 5)			

b) Dora wants to know if the point (-10, -20) lies on, above or below the line  $y = 7 - \frac{1}{2}x$ .

She says, "I can't tell because the axis doesn't extend that far."

Do you agree with Dora? \_\_\_\_\_

Explain your answer.

c) Does the point (17, 23) lie on, above or below the line  $y = 7 - \frac{1}{2}x$ ? Explain your answer.



- The equation of line  $L_2$  is 4y + 16 = 12x.
- a) Write the equation of  $L_2$  in the form y = mx + c

## **b)** Draw the graph of $L_2$ on the grid.



- c) Does the point (2, 9) lie on, above or below  $L_2$ ?
- Three points are shown. 12 A (7, 28)
  - a) Work out the equation of the straight line that passes through points A and B.
  - b) Does point C lie on the same straight line? Show workings to justify your answer.

**B** (-3, -22) **C** (8, 45)





