

10. (i) When $y = 2x - 4$ complete the table of values

x	0	2	4
y			

(2)

- (ii) On the grid opposite draw the line $y = 2x - 4$

(2)

- (iii) If $y = 6 - \frac{1}{2}x$

- (a) what is the value of y when $x = 0$

Answer: $y = \dots\dots\dots$ (1)

- (b) what is the value of x when $y = 0$?

Answer: $x = \dots\dots\dots$ (1)

- (iv) Using your answers to part (iii), or otherwise, on the grid opposite draw the line $y = 6 - \frac{1}{2}x$

(2)

- (v) Calculate the area of the quadrilateral which is bounded by the lines $y = 2x - 4$, $y = 6 - \frac{1}{2}x$ and the x and y axes.

Answer: $\dots\dots\dots \text{cm}^2$ (3)