

8th November

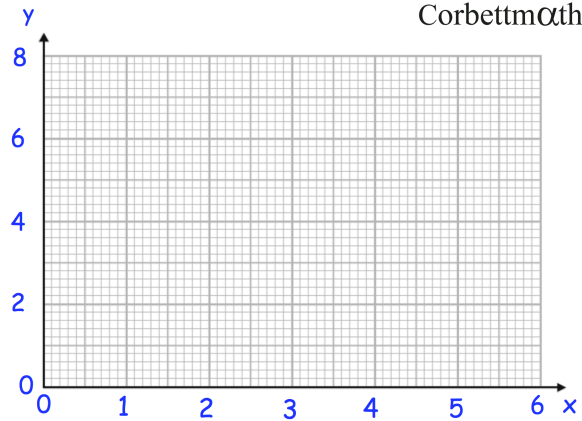
Corbettmaths

A function $f(x)$ is defined as

$$f(x) = 5 \quad 0 \leq x < 2$$

$$= 6 - \frac{1}{2}x \quad 2 \leq x < 4$$

$$= x \quad 4 \leq x \leq 6$$

Draw the graph of $y = f(x)$ Write $2x^2 + 8x + 2$ in the form $a(x + b)^2 + c$

Solve the simultaneous equations

$$2x + 3y + 5z = 21$$

$$3x + 6y + 15z = 51$$

$$5x + 4y + 10z = 37$$