25th January	
A function f(x) is defined as	<sup>y</sup> ↑ Corbettmαths
$f(x) = x + 3$ $-2 \le x < -1$	
$= 2 \qquad -1 \le x < 1$	
$= 2x \qquad 1 \le x \le 4$	
Draw the graph of $y = f(x)$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
The line passing through $(-3, -6)$ and $(g, -5g)$ has a gradient of -3	
Find g.	
The curve $y = f(x)$ has two stationary points.	Sketch the curve. Label the coordinates of each stationary
f(0) = 1 $f(3) = 8$ and $f(7) = 2$	ροιητ
x < 3 x = 3 3 < x < 7 x = 7 x > 7	
$\frac{dy}{dx} > 0  \frac{dy}{dx} = 0  \frac{dy}{dx} < 0  \frac{dy}{dx} = 0  \frac{dy}{dx} > 0$	