

14th March	
Show the region which satisfies $-1 < x < 3$ $y \geq -2$ $x + y < 1$	
Solve, giving your answers to one decimal place. $2x^2 + 3x - 100 = 0$	
H varies directly to the cube of c. When $H = 40$, $c = 2$. (a) Express H in terms of c.	(b) Find the value of H when $c = 5$.
(c) Find the value of c when $H = 5000$.	

14th March	
Show the region which satisfies $-1 < x < 3$ $y \geq -2$ $x + y < 1$	
Solve, giving your answers to one decimal place. $2x^2 + 3x - 100 = 0$	
H varies directly to the cube of c. When $H = 40$, $c = 2$. (a) Express H in terms of c.	(b) Find the value of H when $c = 5$.
(c) Find the value of c when $H = 5000$.	