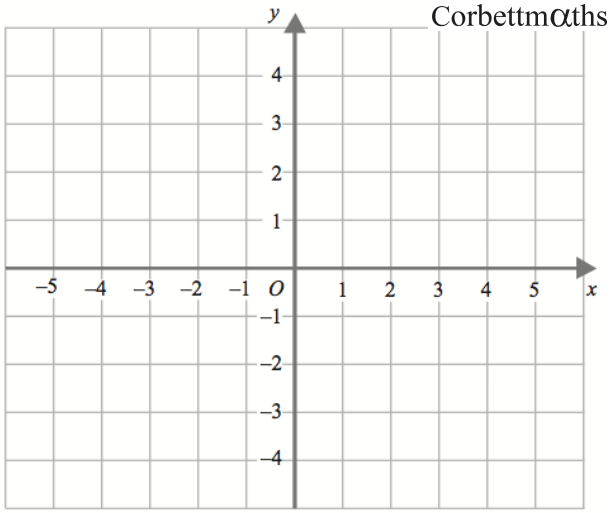
Name: _____ 5-a-day Higher

14th March

Corbettmaths

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.