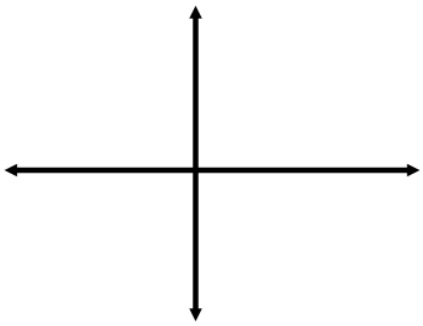
Name: _____ 5-a-day Core 1

7th Feb

Corbettmaths

Express $\sqrt{75}$ in the form $a\sqrt{3}$	
Solve $x^2 + x + 1 \geq 0$	
On the same set of axes, sketch $y = x(x + 5)(x - 5)$ and $y = \frac{1}{x}$	
Using your graph, state how many real roots the equation below has. $x(x + 5)(x - 5) = \frac{1}{x}$	
Find the sum of all the integers between 1 and 1000 which are divisible by 9.	