Name: _____ 5-a-day Further Maths

20th September

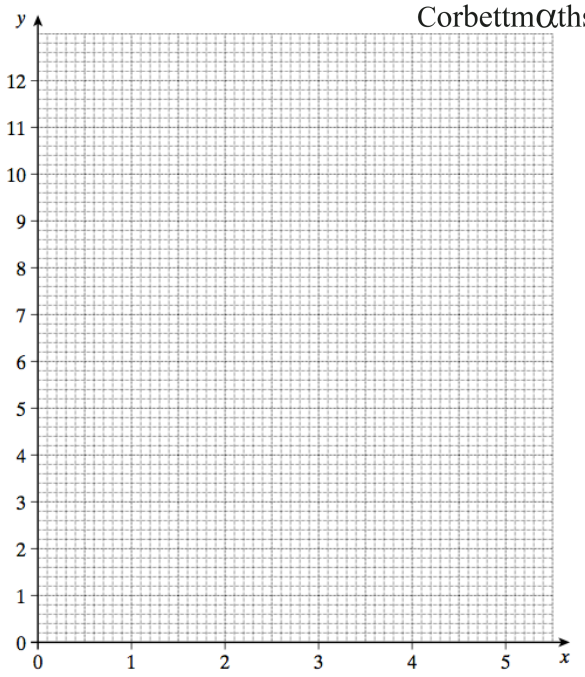
Corbettmaths

A function f(x) is defined as

$f(x) = 9 - 3x \qquad 0 \leq x < 2$

$= (5 - x)(x - 1) \qquad 2 \leq x \leq 5$

Draw the graph of $y = f(x)$



Write down the equation of a circle with centre $(-5, 3)$ and radius $\sqrt{7}$

Solve the simultaneous equations

$2x + 4y - z = 15$

$3x + 8y + z = 44$

$x + 2y + 2z = 15$