**4D Intersecting Graphs**

1. On the same diagram, sketch the following curves:

$y=x\left(x-3\right) $ and $y=x^{2}\left(1-x\right)$

x

y

1. Find the co-ordinates of the points of intersection
2. On the same diagram, sketch the following curves:

$y=\frac{3}{x}$ and $y=x^{2}\left(x-1\right)$

x

y

1. Explain how the graph shows that the following equation has 2 solutions