$$
\begin{array}{r|l}
x^3-6x^2+11x-6 & x-1 \\
\cline{2-2}
-\,(x^3-x^2) & x^2-5x+6 \\
\cline{1-1}
-5x^2+11x & \\
-(5x^2+5x) & \\
\cline{1-1}
6x-6 & \\
-(6x-6) & \\
\cline{1-1}
0 &
\end{array}
$$

Then take this

And use Viete theorem or discriminant

roots $[x^2-5x+6] = \{2;3\}$

So: 1, 2 and 3