## Numerical Analysis

Math 370 Fall 1998
MWF 11:30am - 12:25pm
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SUMMARY Using Matlab to find roots
READING Burden \& Faires, 78-86

## fzero and roots

Even though we now know a number of different methods to find roots, in practice people usualy use what tool is close by. If you had to use Matlab to find the root of a function you would probably just use the built-in m-file functions fzero and roots.
roots is used to find the roots of a polynomial. Let's use it to find the roots of our original function $f(d)=2552-30 d^{2}+d^{3}$ What are they?
fzero is used to find the roots of other non-linear functions. Let's try aand find the fixed points of $\ln (x+2)$.

