

Re: Root finding for non-polynomials

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This is what pursued originally, but it never really worked out well. Now I realize that was partly because of my coding error. The other problem is that 'roots' can return values that are not even roots! For example, consider the function: $-3x + 2\sqrt{x} + (3-2i)$

```
roots([-3,2,3-2i]).^2 >> 1.9536-0.8692i; 0.4909-0.4641i  
secant(), findroot() >> 1.9536-0.8692i
```

Substituting 0.4909-0.4641i into the equation returns 3.05-1.2i; clearly not a root. I can easily throw out nonsense values but am still often left with a decision about which of a couple of values is most appropriate.

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