A.4 Inverse

AJ Rasure

Programming for Problem Solving

April 11, 2019

For the first equation:

$$1/100[(x^4 + (e - 2 - \sqrt{2})x^3 + (2e\sqrt{2} - e\sqrt{2} - 3 - 2e)x^2 + (2\sqrt{2} + 3\sqrt{2} - 3e)x + 3e\sqrt{2})] \quad (1)$$

I found the roots to be:-2.718 ,-1 ,1.414, and 3.
For the second equation:

$$\tan(x) - x - 2 \quad (2)$$

I found 2 roots, one at $-\pi/2$ and another at $\pi/2$.