

$$1 - x - 0.8 - 0.2 \sin(x) = 0 \quad [0, \pi/2] \quad \text{derivative} \quad 1 - 0.2 \cos(x) = 0 \quad \text{change} [0, \pi/2] \rightarrow [-0.8, 2.14..]$$

<i>step</i>	<i>x</i>	<i>f(x)</i>	$ x(i) - x(i-1) $
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	x2	1.142000	
	x3	1.535185	
	x4	-0.700345	
	x5	1.988287	
	x6	1.436924	
	x7	2.138703	
	x8	1.539028	
	x9	1.534803	
	root is 1.534803		