

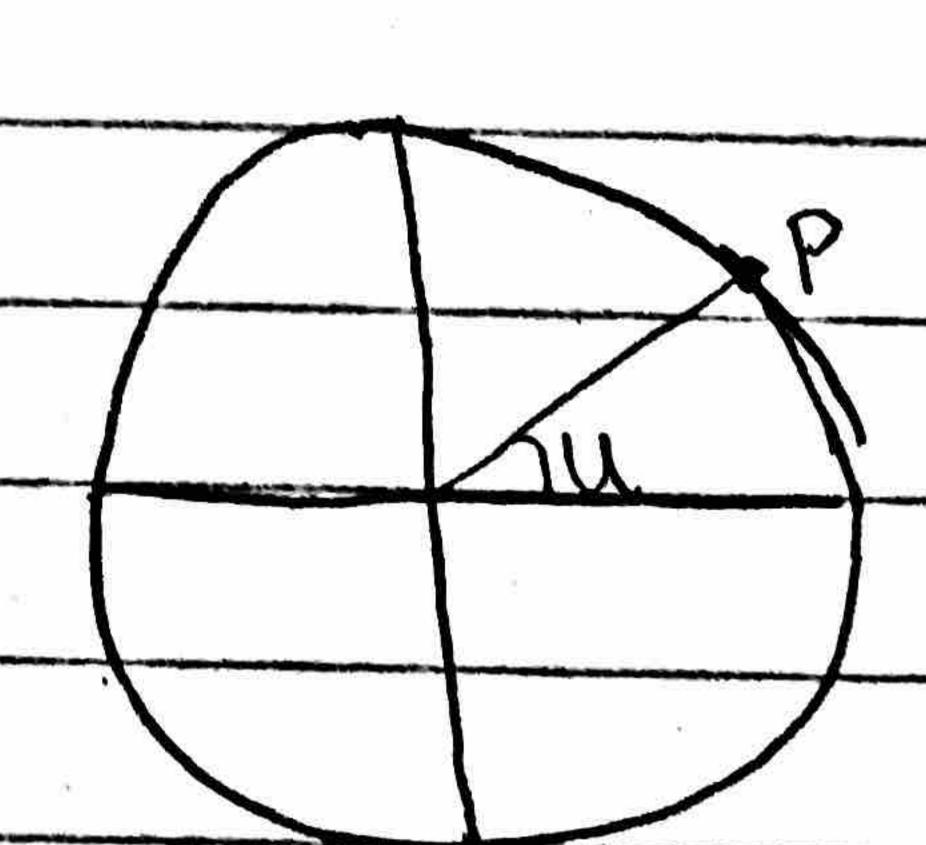
	2
You may notice that the angle denoted by	
You may notice that the angle denoted by the dashed line is 11-u radians	
"Ilvie fine, the 2" fake solution is	
Now, let's convert our fake solutions into	
Ussn'(8) = 31, =7 1, = sn'(8) ~ 137 rad	
7. T.sin'(3) = 3% =7 % - T-sin'(3) = .9100 rak	
Now we add/subtract the period to these	
solutions to find the rest of the solutions in	
the interval $L-T,TJ$, $T \approx 3.1413$ madians	
10100 3 8111/2)-27 T-911/16 SIN-16 T-511/16 2	+ SW (=)
21/1/2	
These are the five solutions in the interval.	
You might wonder why we didn't add 27 to	
"II-sin" (8). This is because it would bring us outside	
of the interval we're concerned with	
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Solving Tan Fans

8=4 tan (5x)

Lo, Ti

2= tan(5x)



Let $u=5x_1$ 2 = tan(u) $u = tan'(2) \approx 1.107$

We have our first solution! However, we don't need to find a 2rd solution when working with tan (x). All you have to do is add and subtract the period to the real solution.

 $P = 2\pi$ = 7 Solutions: tan'(2), $tan'(2) + 2\pi$