	Pin: ??? Nome: 2	Variant of 3.1.21 A .	
		Sundstrom §3.1 p102. Math 300	
		Explorations and Activities Exercise	
Def.	A triple (a, b, c) is a Pythagorean Triple provided $(a, b, c) \in \mathbb{N}^3$ with $a < b < c$ and $a^2 + b^2 = c^2$.		$\S{1.2}$
Def.	Three natural numbers are called <u>consecutive</u> natural numbers if they can be written in the fc		1 ^{p29}
	$m, m+1, \text{ and } m+2 \text{ for some } m \in \mathbb{N}.$		§3.1 p102
1.	State a theorem about Pythagorean triples of consecutive natural numbers that includes how many		p102
	Pythagorean triples of consecutive natural numbers exists and what the triples are.		
2.	Prove your theorem.		
Hint.	In your <i>thinking land</i> , find all Pythagorean triples consisting of 3 consecutive natural numbers.		

DELETE this whole sentence and THEN put your answer to ALL parts down here.