Lecture 03 Worksheet (ECON211), AY 2025-26

#1:	#2:	#3:
These problems test your knowledge notches above the class-level. So, it is		Please note that these problems are set a few
1. What will be the remainder if you	divide 5^{123456} by 7?	
2. What will be the sum of all real va	lues of x for which $\left(\frac{1}{8}\right)^k \times \left(\frac{1}{32768}\right)^{\frac{1}{5}}$	$\frac{1}{3} = \left(\frac{1}{8}\right) \times \left(\frac{1}{32768}\right)^{\frac{1}{k}}$?
		,

			iber. what is the	value of $2p + 3$	<i></i>	
	wo natural numbers	such that x^2 +	xy + x = 14 a	$\text{nd } y^2 + xy + y$	=28. What will be	the value o
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