

2011 -
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	مجزأة		
06	01	$u_6 = \sqrt{u_5 \times u_7} = \sqrt{4096} = 64$ (1)	
	01	$r = 2 \quad r^4 = 16 \quad u_6 = u_2 \times r^4$	
	01	$u_n = u_2 \times r^{n-2} = 4 \times 2^{n-2} = 2^n$:	(2)
		1024 $n = 10 \quad 2^n = 2^{10} \quad u_n = 1024$	(3)
	01	.	
	01	$S_n = u_2 + u_3 + \dots + u_n = 4(2^{n-1} - 1)$	(4)
	01	$4(2^{n-1} - 1) = 1020 \quad S_n = 1020$	(5)
	$n = 9 \quad 2^{n-1} = 256$		
06	01.5	$8 \equiv 3[5] \quad x^3 \equiv 8[5]$.	(1)
	01.5	6 $3 \cdot n = 1$.	(2)
	01.5	. 3 $-7 - 2 = -9$.	(3)
	01.5	$9^{2011} \equiv 1[8] \quad 9 \equiv 1[8]$.	(4)
08	03	$(C_f) \quad [-2; 2] \quad f$	
		$[-2; -1] \quad f : f$	(1)
	01.5	. $[-1; 1] \quad [1; 2]$	
	01.5	$S = \{-1; 1\} : f'(x) = 0$	(2)
	01.5	$S = \{-2; 1\} : f(x) = -2$	(3)
	: 0 $(C_f) \quad (D)$	(4)	
01.5		$y = -3x$	
0.5			