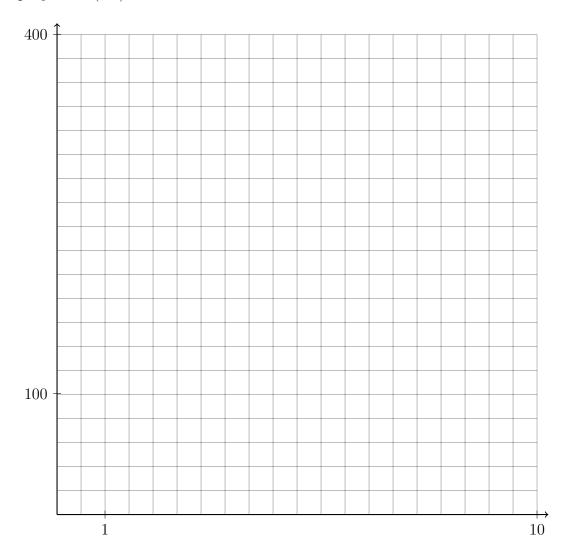
BECA / Dr. Hu 22 March 2018	son / IB Math SL		
Do Now: Pop Q	uiz		Name:
	pen note. Use the form ce provided. Show wo		
Geometri	c sequence and series		
1. Given a ge	ometric sequence with u_1	= 3 and r = 2.25	
(a) Find ("Fin	-	the appropriate valu	ues substituted into a formula)
(b) Find	S_5 , the sum of the first five	ve terms of the sequ	ence.
(c) $S_k =$	7980. Find k algebraically	7.	

(d) Create a table in your calculator to check your answer. (show it to me)

Do Now: Pop Quiz Name:

Early finishers

2. Graph $y = 400(.85)^{2x} - 6$ on the set of axes below.



3. The expression (x + a)(x + b) can not be written as

(a)
$$a(x+b) + x(x+b)$$

(b)
$$x^2 + (a+b)x + ab$$

(c)
$$x^2 + abx + ab$$

(d)
$$x(x+a) + b(x+a)$$