Name_	
Hong	rui Yi
Show all answer in	work. Label and clearly explain your answer. This is work. Label and clearly explain your answer. This is often on order to get full credit. 2) If you do show your work, of credit depending on how serious the error is. 3) If you
a.	Calculate the present value of a seri next year, and ending in 5 years.
b.	Calculate the present value of a seri next year, and ending in 25 years.
c.	Calculate the present value of a seri next year, and ending in 125 years.

Z 1

ry important. 1) You must explain how you arrived at your and your answer is wrong, you can still earn a substantial ur answer is wrong, and you don't show your work, you will

- es of cash flows of \$12 per year, starting ne annual interest rate is 4%.
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- d. Calculate the present value of a series of cash flows of \$12 per year, starting next year, and continuing forever. The annual interest rate is 4%.

a.
$$PV = \frac{c}{k}(1 - \frac{1}{(1+k)^k}) = \frac{12}{0.04}(1 - \frac{1}{(1.04)^3}) = 53.42$$

b. $PV = \frac{c}{k}(1 - \frac{1}{(1+k)^k}) = \frac{12}{0.04}(1 - \frac{1}{(1.04)^{25}}) = [8].46$

c.
$$PV = \frac{1}{K} \left(\left| \frac{1}{(Hk)^n} \right| = \frac{12}{0.04} \left(\left| -\frac{1}{(1.04)^{n/2}} \right| = 2P7.77$$
d. $PV = \frac{1}{K} = 300$