Present Value

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RES500 – Fundamentals of Quantities Analysis

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(a) I used to calculate Ordinary Annuity with an Excel formula bar =PV function that gives a total amount after a year and the previous year. I wasn't sure where is the PV table, and I used to compare from the link https://www.cimaglobal.com/documents/student%20docs/2010%20syllabus%20docs/p1/p1-performance-operations-tables-2010-syllabus.pdf

Present Value = $1/(1+ interest rate per period)^number of the period* Future Value$	PV Function Excel Formula	
1/(1+.06)^1*10000	\$	(9,433.96)
1/(1+.06)^2*10000	\$	(18,333.93)
1/(1+.06)^3*10000	\$	(26,730.12)
1/(1+.06)^4*10000	\$	(34,651.06)
PV of Ordinary Annuit with PV Table = 34651.05		
(b) I manually typed the formula because the excel =PV function didn't give an accurate result. What is change results in its increased present value if start to payment "beginning of the year'.		Annually Calculated
1/(1+.06)^0*10000	\$	10,000.00
1/(17.00/ 0 10000	•	,
1/(1+.06)^1*10000	\$	9,433.96
		·
1/(1+.06)^1*10000	\$	9,433.96
1/(1+.06)^1*10000 1/(1+.06)^2*10000	\$ \$	9,433.96 8,899.96

© What is the difference between the two values; PV table round the value excel using the correct number; that is why they are different.

PV of Ordinary Annuity with PV Excel function	(\$35,098.46)
PV Table Result	\$ 35,095.00