MrF

Name:_____
Date: _____

GRADE 12 APPLIED
PERSONAL FINANCE
INVESTMENTS – SIMPLE AND COMPOUND INTEREST GRAPHING

Mr. Math invested $100 in each of two accounts. He made no more deposits or any withdrawals for 20 years. Account A earned 10% Simple Interest. Account B earned 10% Compound Interest, compounded annually. Complete the table and graph the balance in each account at the end of each year, then draw the graphs.

YEAR	Balance A	Balance B
0	$100	$100
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Recall: $A = P + I$

Simple Interest: $I = P*r*t$; and $A = P*(1 + r*t)$

Compound Interest: $A = P * \left(1 + \dfrac{r}{s}\right)^{n*s}$

Scatter Plot - Simple Interest vs Compound Interest