Name: KEY

Section 3.1 - Interest

1. Vince has been saving up all summer and before going back to school he has managed to amass \$5500. He decides to put it in a GIC that pays him an annual percentage rate of 6% and is locked in for 3 years. At the end of the three years, how much interest has he earned and how much total cash does he now have?

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2. Mr. Herlaar borrowed \$7000 to build a new fence in his backyard. If the loan was a Simple Interest Loan and he paid \$735 in interest over a three-year period, what was the interest rate? And if he paid it back monthly, what were his monthly payments?

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3. Atlas received an inheritance of \$25 000, he kept \$3000 to spend, and invested the rest in a Compound Interest account. The account compounds daily (365) and has an annual percentage rate of 7.5%. If he keeps his money invested for 10 years, how much does he have and the end of the ten-year period? How much of it is interest?

P = 22000

$$A = P(1 + \frac{r}{n})^{n+1}$$
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