✏️ **Worksheet I**

A. Complete the following table. (14 points)

| No. | Principal ($P$) | Rate of Interest ($r$) | Time ($t$) | Amount of Interest ($I$) | Maturity Value ($M$) |
|-----|-----------------|------------------------|------------|--------------------------|----------------------|
| 1. | ₱50 000 | 2.5% | 3 | | |
| 2. | | 3% | 2.5 | ₱7 500 | |
| 3. | ₱85 000 | | 1.75 | ₱8 925 | |
| 4. | ₱200 000 | 7.5% | | | ₱275 000 |
| 5. | ₱500 000 | | 3.5 | | ₱591 875 |
| 6. | | 8.5% | | ₱462 187.50 | ₱1 212 187.50 |
| 7. | | | 6.75 | ₱253 125 | ₱1 253 125 |

B. Analyze the given problems and solve for what is asked. (6 points)

1. Analyn invested ₱40 000 in an investment instrument that earns 8.9% simple interest. How much will she have in three years?

   *Solution and answer:*

2. Robert promised to pay ₱5 000 in interest on a loan of ₱50 000 payable in 3 years. What is the rate of interest of the loan?

   *Solution and answer:*