Problem 1

(a),(b) See Excel sheet.

(c) The current ratio is,

$$\frac{\text{Current Asset}}{\text{Current Liabilities}} = \frac{5025}{1675} = 3 > 2.$$

Hence, the company's ability to meet its short-term obligations is strong, indicating financial stability.

Problem 2

See Excel Sheet.

Problem 3

1)
I would consider investing is **Index Funding** that track specific market indices like S&P 500. My expected rate of return annually is around 7~10% let's say an average of 8.5%.

2)
I would consider **Corporate Bonds**. These are debt securities issued by companies to raise capital. In general, the expected return is 3~6% annually again an average of 4.5%.

3)
I would consider a **High-Yield Savings Account**. This offers a higher interest rate compared to traditional saving accounts, normally at rate of 1~3% annually which is by average 1.5%.

The MARR is a threshold for ROI. In the three cases mentioned above, my MARR would be 1.5% since this is the lowest rate among the methods I have considered. Therefore, any investment must yield at least 1.5% annually to be deemed attractive.

Problem 4

See Excel sheet.