



4.1.1 Arithmetic Operations

1) State what the following operators do:

- a) **
- b) //
- c) *
- d) /

[4 marks]

2) Explain the difference between rounding and truncation. Give examples in your answer.

[2 marks]

3) The program shown in Figure 1 using modulus to determine if a number is even.

Figure 1

```
number = 12
if number % 2 == 0:
    print("Even")
```

a) Explain why the condition `number % 2 == 0` determines whether number is even.

[2 marks]

b) Write a condition using modulus that would determine if number as odd.

[1 mark]

