Name_____ Date_____

Answers

Part 1

1. a) 1000 cm^3

   b) 3400 cm^3

   c) 256 000 cm^3

Part 2

1. The last 3 parts of the pseudocode were all missing information. Here are the completed parts.

Calculate Volume Subprogram

```
subprogram calculateVolume
      volume = baseArea * height
```

Output Info Subprogram

```
subprogram outputInfo
      output "The area is  ", baseArea, " centimetre  squared."
      Output "The volume is ", volume, " cubic centimetres."
```

Main Program

```
pi = 3.14
output "I'll calculate the volume of your cylinder."
run obtainInput subprogram
run calculateRadius subprogram
run calculateArea subprogram
run calculateVolume subprogram
run outputInfo subprogram
```

2. a) 3140 cm^3

   b) 45 373 cm^3

   c) 994 752 cm^3