Answers

**Algebra**

**Unit 3 Line Master 9h**

**Part 1**

1. a) 1000 cm3 b) 3400 cm3   
 c) 256 000 cm3

**Part 2**

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

*Calculate Volume Subprogram*

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| subprogram calculateVolume  **volume** = **baseArea** \* **height** |

*Output Info Subprogram*

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| subprogram outputInfo  output “The area is “, **baseArea**, “ centimetre squared.”  Output “The volume is “, **volume**, “ cubic centimetres.” |

*Main Program*

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| 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 cm3   
 b) 45 373 cm3   
 c) 994 752 cm3