Algebra Unit 3 Line Master 7g

Answers

Part 1

- 1. 50 cm²
- 2. Answers may vary; the results should agree.
- 3. a) 112.5 cm²
- b) 216 cm²
- c) 5985 cm²
- 4. 1 cm and 36 cm, 2 cm and 18 cm, 3 cm and 12 cm, 4 cm and 9 cm, 6 cm and 6 cm; areas determined by the application should all be 36 cm².

5.

Part 2

1. a) When d = 20 cm, r = 10 cm, so $\pi r^2 \approx (3.14)(10)^2$ $\approx (3.14)(100)$ ≈ 314

The area is about 314 cm².

- b) 314 cm²
- 2. a) 113 cm² b) 3215 cm² c) 11 304 cm²
- 3. Answers will vary.

Sample: Because you just have to enter different dimensions for a rectangle or a different diameter for a circle and the program does all the calculations, it makes it easy to calculate the areas of lots of different rectangles or circles.