

**PART 1: Geometric mean, Pythagorean**

6.  $48 \text{ cm}^2$

7.  $\sqrt{4114}$

8.  $x$

9.  $17$

10.  $p\sqrt{3}$

11. isosceles,  $A = 30$

12.  $16\sqrt{3}$

13.  $\frac{32\sqrt{3}}{3}$

14.  $243\sqrt{3}$

15.  $9/4$