

Algebra and Area and Volume Solutions

1.
 - i. $2x^2$
 - ii. $x = 3$
2. 50 storeys. The building is 150 m high
3. Length = 50m
4. 2:1
5. $40\pi x^3, x = 3$
6.
 - i. $a = \sqrt{7}x$
 - ii. $\alpha = 41^\circ$
 - iii. $\beta = 79^\circ$