

## Using Surds Answer Key

Increasingly  
Difficult  
Exercises

a)

$$40\sqrt{5} \text{ cm}^2$$

b)

$$3\sqrt{5}$$

c)

$$\text{Volume} = 6\sqrt{70}$$

$$\begin{aligned} \text{Surface Area} = \\ 12\sqrt{10} + 6\sqrt{14} + \\ 4\sqrt{35} \end{aligned}$$

d)

$$180\sqrt{5} \text{ cm}^2$$

e)

$$3\sqrt{3}$$

f)

$$3\sqrt{5}$$

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