Pearson

Answers

1 **a** $V = 396\ \text{cm}^3$ **b** $V = 75\,000\ \text{cm}^3$

c $V = 402.5\ \text{cm}^3$ **d** $V = 200\pi\ \text{cm}^3$

e $V = 1008\pi\ \text{cm}^3$ **f** $V = \frac{1372}{3}\pi\ \text{cm}^3$

g $V = 121.5\pi\ \text{cm}^3$ **h** $V = 18\pi\ \text{cm}^3$

i $V = 48\pi\ \text{cm}^3$ **j** $V = \frac{98}{3}\pi\ \text{cm}^3$

2 17 cm

3 17 cm

4 $V = x^3 + \frac{17}{2}x^2 + 4x$

5 $60\ \text{cm}^3$

6 21.4 cm

7 32 : 9

8 $r = \sqrt[3]{36x}$