

Day 3 HW Answer Key

1. 76 ft^2

2. a. $SA = 180 \text{ in}^2$ $V = 120 \text{ in}^3$ b. $SA = 432 + 96\sqrt{3} \text{ in}^2$ $V = 64\sqrt{207} \text{ in}^3$

c. $SA = 60 \text{ mm}^2$ $V = 22.5 \text{ mm}^3$ d. $SA = 136\pi \text{ ft}^2$ $V = 208\pi \text{ ft}^3$

3. 219.44 ft^3

4. a. 4.64 ft b. 11m

5. $(84\pi + 496) \text{ cm}^2$

6. a. 36.8155 in^3 b. 24.5437 in^3 c. 66.7%