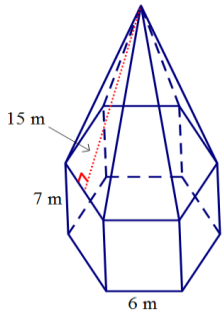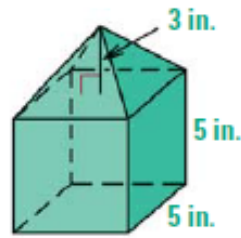Find the **surface area** of the solid. Round your answer to two decimal places, if necessary.
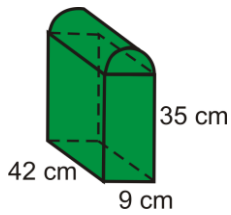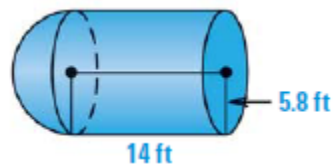
1. The hexagonal base is regular

15 m

7 m

6 m

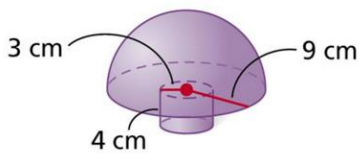2. The base is regular

3 in.

5 in.

5 in.

3.

35 cm

42 cm

9 cm

4.

5.8 ft

14 ft

5.

3 cm   9 cm
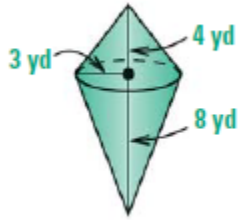
4 cm

6.

3 cm

7 cm

3 cm

7.

3 yd   4 yd

8 yd

8.

10 cm

15 cm

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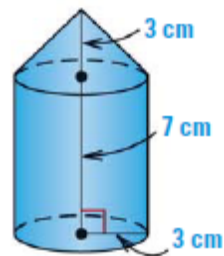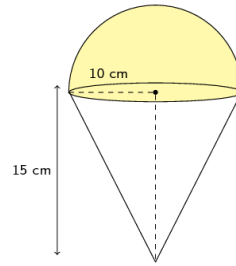
9. Find the surface area.

The hemisphere is indented into the base of the cylinder.

3 in.

9 in.

10.

5.1 m

5.1 m

5.1 m
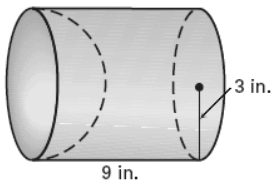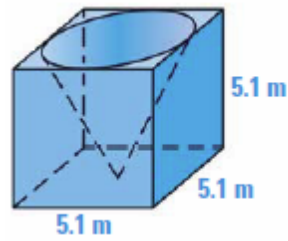
Answer Key:

1) $54\sqrt{3} + 522 \approx 615.53m^2$ 2) $\approx 164.05in^2$ 3) $209.25\pi + 3948cm^2 \approx 4605.38\ cm^2$ 4) $263.32\pi \approx 827.24ft^2$

5) $267\pi\ cm^2 \approx 838.805\ cm^2$ 6) $\approx 200.21\ cm^2$ 7) $\approx 127.65yd^2$ 8) $\approx 1194.68\ cm^2$

9) $81\pi \approx 254.47in^2$ 10) $\approx 181.31m^2$