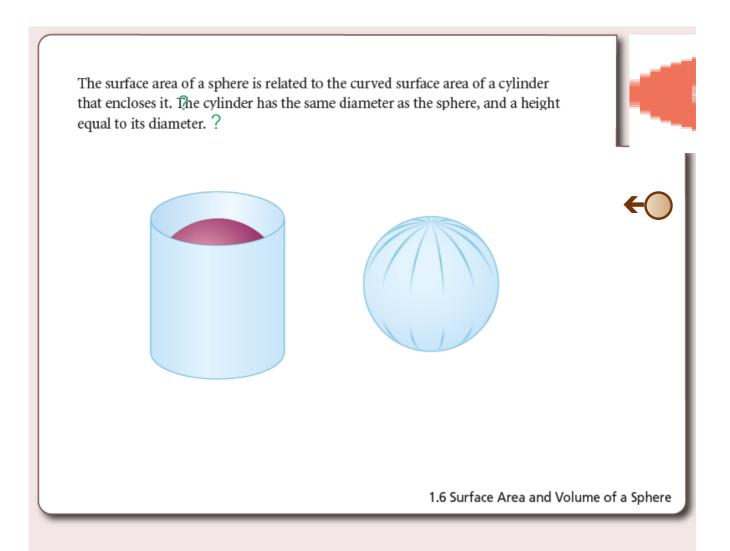


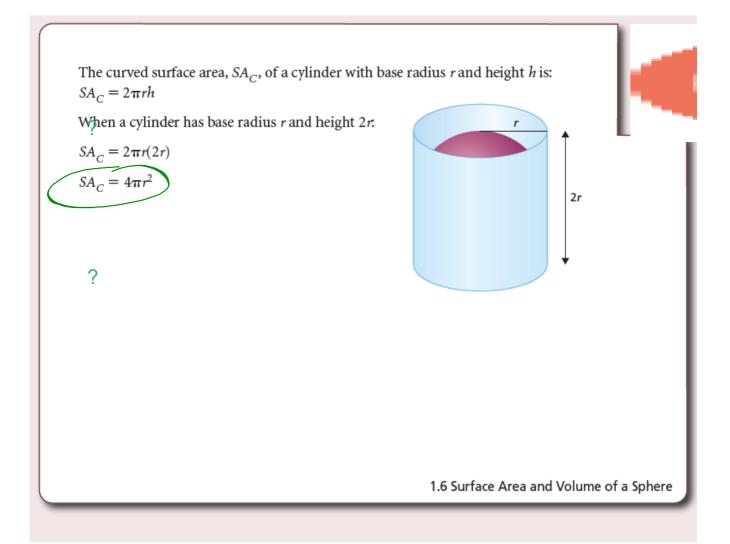
Surface Area of Spheres and Cones...

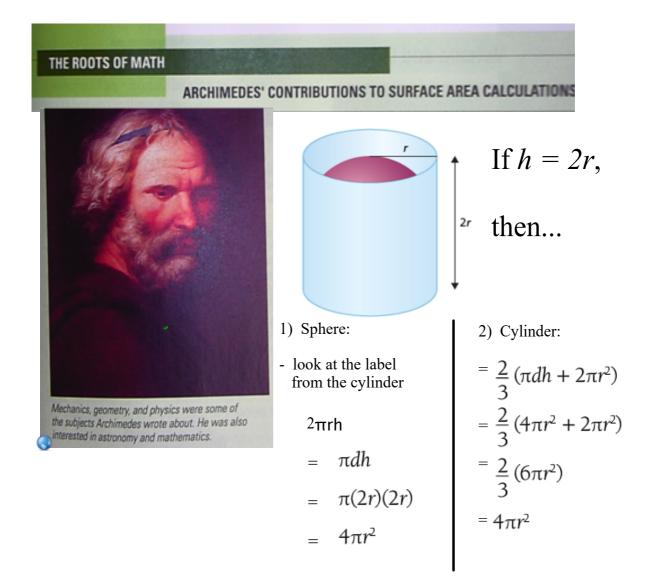


.

SALSNE = THE + THIS

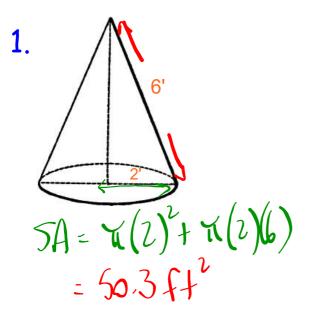


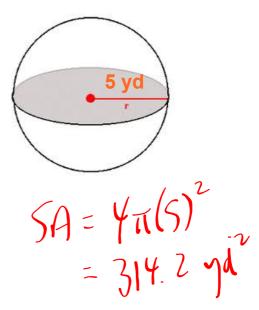




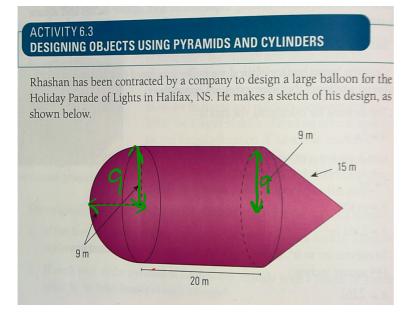
Find the surface area of the following shapes.

2.





Activity 6.3 on page 238: Composite shapes... more than 1 figure!



Surface area of hemisphere $=\frac{1}{2}(4\pi r^2)$ Surface area $=\frac{1}{2}(4)(\pi)(9^2)$ Surface area $\approx 508.94 \text{ m}^2$ Surface area of outside of cylinder $=2\pi rh$ Surface area $=2\pi(9)(20)$ Surface area $\approx 1130.97 \text{ m}^2$ Surface area of lateral face of cone $=\pi rs$ Surface area $=\pi(9)(15)$ Surface area $\approx 424.12 \text{ m}^2$ Add to determine the total surface area. $508.94 + 1130.97 + 424.12 = 2064.03 \text{ m}^2$ The total surface area of the balloon is 2064.03 m

Homework... 6.2 Worksheet - Surface Area of Cones_Spheres.docx Done in class

p. 232: #1 & 6

6.1 - Build Your Skills Solutions.pdf

p. 242: #3 & 5

6.2 - Build Your Skills Solutions.pdf

- 6.1 Build Your Skills Solutions.pdf
- 6.2 Build Your Skills Solutions.pdf

6.2 Worksheet - Surface Area of Cones_Spheres.docx