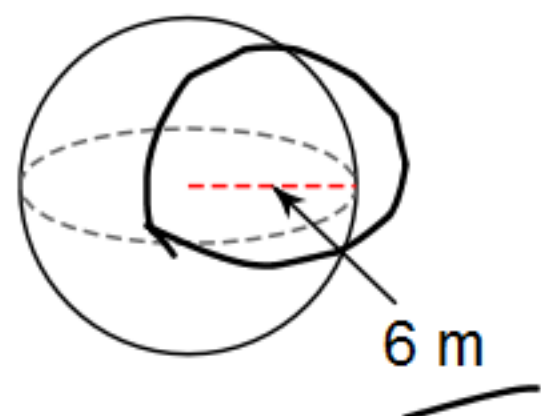


Find the surface area of each cone, cylinder, or sphere. Round all final answers to the nearest tenth, and don't forget to include your units!

18)



$r = \frac{1}{2}$ of
the
diameter

$d =$ distance
across

$$SA = 4\pi r^2$$

$$SA = 4\pi (6^2)$$

$$SA = 4\pi (36)$$

$$SA = 452.38$$

$$SA = 452.4 \text{ m}^2$$

Find the surface area of each cone, cylinder, or sphere. Round all final answers to the nearest tenth, and don't forget to include your units!

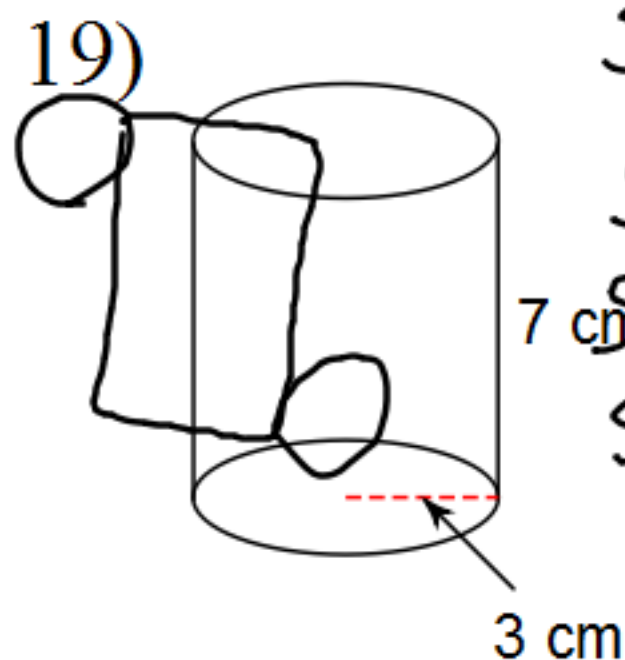
$$SA = 2\pi r^2 + 2\pi rh$$

$$SA = 2\pi(3^2) + 2\pi(3)(7)$$

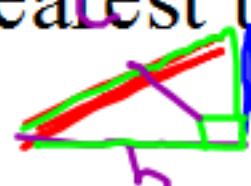
$$SA = 2\pi(9) + 131.9$$

$$SA = 56.5 + 131.9$$

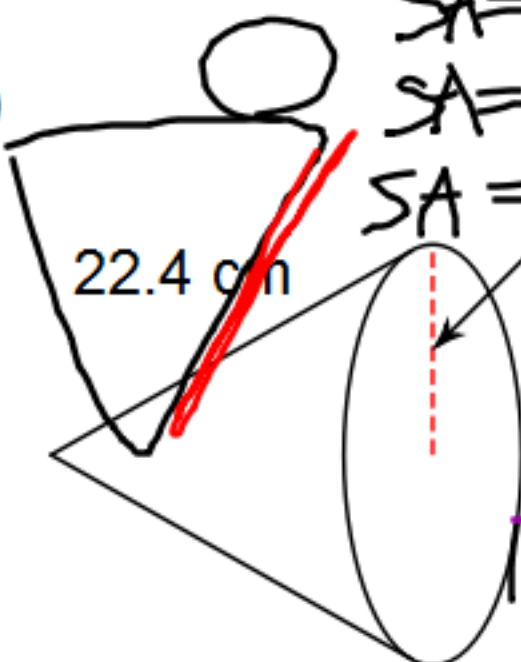
$$SA = 188.4 \text{ cm}^2$$



Find the surface area of each cone, cylinder, or sphere. Round all final answers to the nearest tenth, and don't forget to include your units!



20)



$$SA = \pi r s + \pi r^2$$

$$SA = \pi (10)(22.4) + \pi (10)^2$$

$$SA = 703.7 + 314.2$$

$$SA = 1017.9 \text{ cm}^2$$

$$a^2 + b^2 = c^2$$

$$10^2 + b^2 = 22.4^2$$

$$100 + b^2 = 501.76$$

$$\sqrt{b^2} = \sqrt{401.76}$$

$$b = 20.04 \text{ cm}$$