

Geometry 1.7 cm^2
Calculate surface area and volume ft^3
Review 1.7 (whiteboards) m^3

Quiz 1.7 tomorrow

Reminder: project due Fri. 3:30

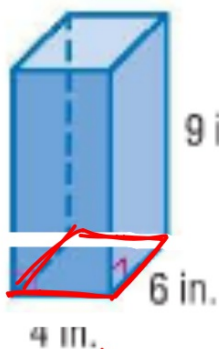
What is a polyhedron?

What kinds of solids
are polyhedra?

What kinds of solids
are not polyhedra?

Find the surface area and volume of each solid to the nearest tenth. (Lesson 1-7)

18.



9 in.

6 in.

4 in.

$$V = Bh$$

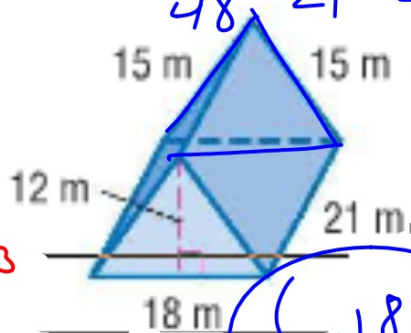
$$24 \cdot 9$$

$$= 216 \text{ in}^3$$

$$SA = p \cdot h$$

$$20 \cdot 9 = 180 \text{ in}^2$$

19.



$$V = Bh$$

$$(108) \cdot 21 = 2268 \text{ m}^3$$

$$SA = p \cdot h + B$$

$$48 \cdot 21 = 1008$$

$$+ 108$$

$$+ 108$$

$$1224 \text{ m}^2$$

$$\frac{1}{2} \cdot 18 \cdot 12$$

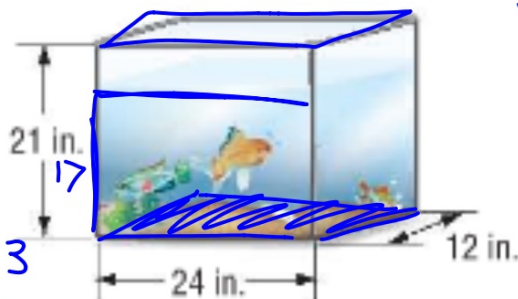
20. **FISH** Sarah has a fish tank with the dimensions shown. (Lesson 1-7)

- What is the surface area of the fish tank?
- If Sarah fills the tank to a depth of 17 inches, what will be the volume of the water in the tank?

$$V = B \cdot h$$

$$= 288 \cdot 17$$

$$4896 \text{ in}^3$$



$$SA = p \cdot h + B$$

$$= 72 \cdot 21 + 288$$

$$= 1512 + 288$$

$$= 1800 \text{ in}^2$$

Review SA & V WS