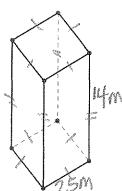
REVIEW PYRAMIDS AND PRISMS



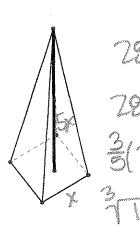
BASE! 12cm x 12cm

HOLDHI 60 cm

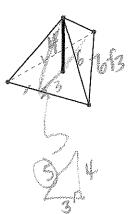
1. Find the volume and total surface area of a right prism with a square base of side 2.5 m and height 14m.



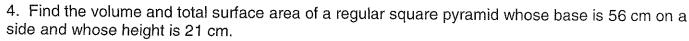
2. Find the lengths of the sides of the base of a pyramid and the height of the pyramid, if the base is a square and the height of the pyramid is 5 times a side of the base. The volume of the pyramid is 2880 cu cm.

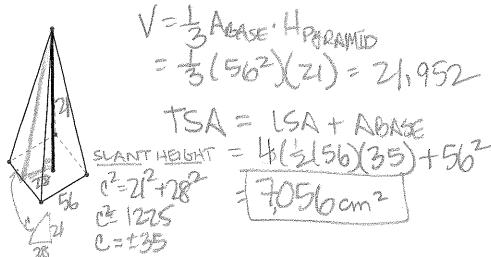


3. Find the volume and total surface area of a regular pyramid with an equilateral triangular base $(6\sqrt{3})$ on a side) and a pyramid height of 4 cm. (SPOILER ALERT!)

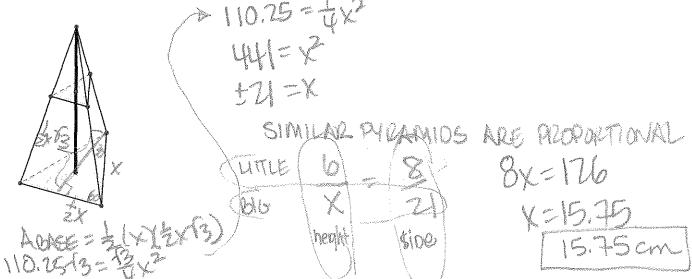


- 2. 12 cm, 60 cm 3. $36\sqrt{3}$ cm³, $72\sqrt{3}$ cm²

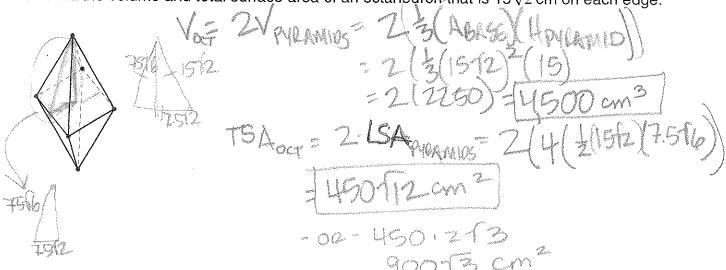




5. Find the height of a regular equilateral triangular pyramid, if the area of the base is $110.25\sqrt{3}$ cm² and a cross section 6 cm from the vertex is 8 cm on a side.



6. Find the volume and total surface area of an octahedron that is $15\sqrt{2}$ cm on each edge.



4. 21,952 cm³, 7,056 cm²

5. 15.75 cm

6. $4,500 \text{ cm}^3$, $450\sqrt{12} \text{ cm}^2$