

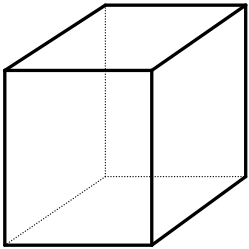
**Geometry**

**Unit Three: LA & SA of Prisms and Pyramids (HW16)**

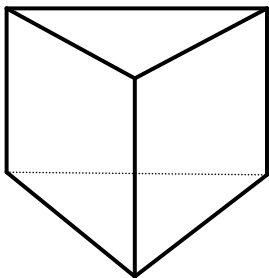
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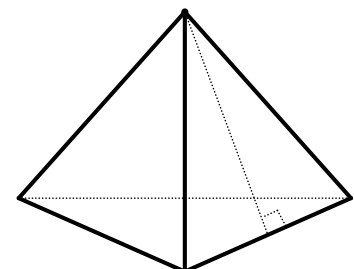
1. A right square prism has a height of 10 inches and a base edge of 8 in. Find the LA, SA, and Volume.



2. A right triangular prism has an isosceles triangle with legs of 5 in and a base of 4 in. The prism has a height of 12 in. Find the LA, SA, and Volume.



3. A cube has a volume of  $343 \text{ in}^3$ . Find the LA and SA.



4. An equilateral triangular pyramid has a base with a side of 16 in, a slant height of 10 in, and a height of 8 in. Find the LA, SA, and Volume.

5. A prism has a right, triangular base with legs of lengths 9 and 40 in., a height of 12 in. Find the LA, SA, and Volume.  
Draw the prism first and label all the information given on your drawing.

6. A regular pentagonal pyramid has side lengths of 5 in, and apothem of 3.4 in, and a slant height of 6 in. Find the LA, SA, and Volume.

