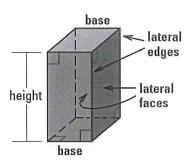
## Keu

## Basic Surface Area and Volume of Prisms - Notes

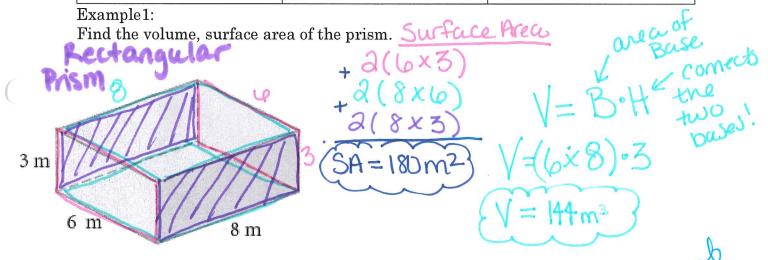
A **prism** is a polyhedron with two congruent faces, called **bases**, that lie in parallel planes. The other faces, called **lateral faces**, are parallelograms formed by connecting the corresponding vertices of the bases. The segments connecting these vertices are *lateral edges*.

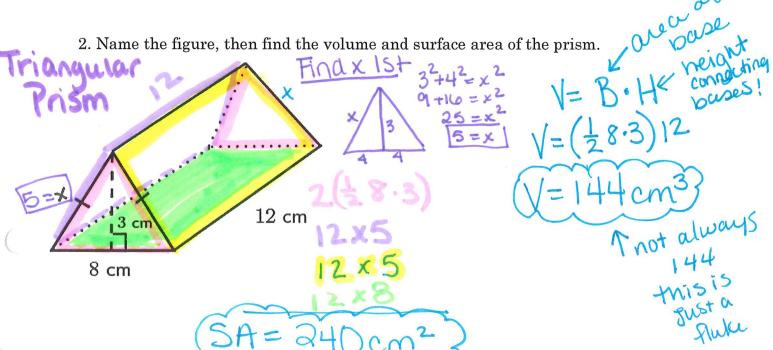
The *altitude* or *height* of a prism is the perpendicular distance between its bases. In a **right prism**, each lateral edge is perpendicular to both bases. Prisms that have lateral edges that are not perpendicular to the bases are **oblique prisms**. The length of the oblique lateral edges is the *slant height* of the prism.

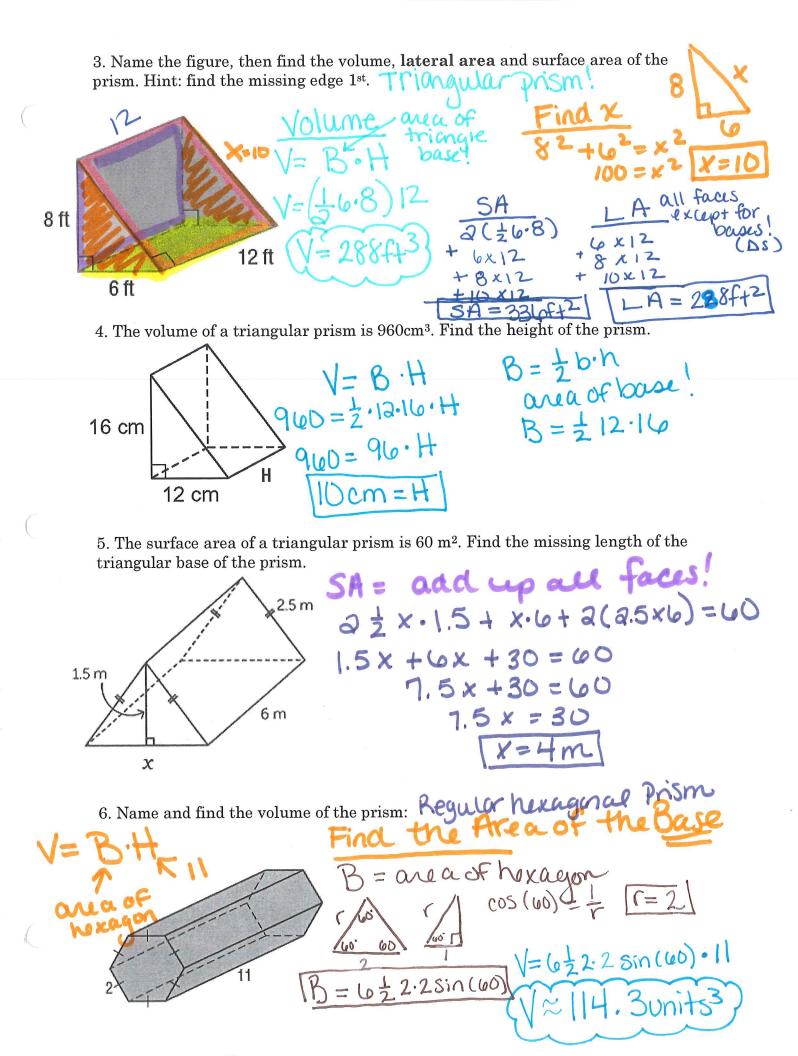


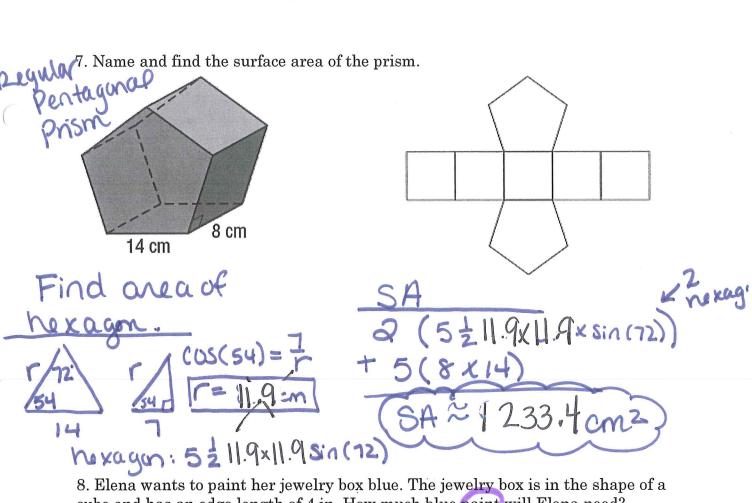
Right rectangular prism

Surface Area:	Lateral Area:	<u>Volume:</u>
Add up all of the faces and bases	Add up all of the faces but NOT	V=BH
	bases	B = AREA of BASE and H= Height connecting two bases.

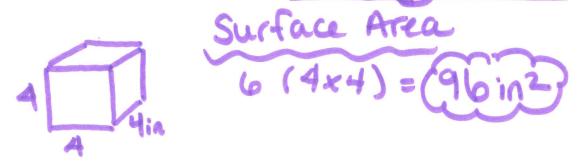








cube and has an edge length of 4 in. How much blue paint will Elena need?



9. Reynaldo builds a pool in his backyard. The pool measures 55 feet long, 28 feet wide, and 9 feet deep. How much water will fit in the pool?

