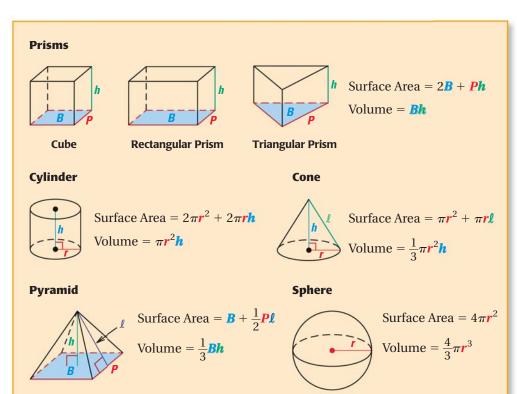
8 TAKS PREPARATION



REVIEWING SURFACE AREA AND VOLUME

To solve math problems involving surface area and volume of solids, you can use the following formulas.



EXAMPLE

Find the volume of a desktop computer with the dimensions shown.

Solution

STEP 1 Find the area of the base.

$$B = 18 \cdot 60$$

= 1080



STEP 2 Calculate the volume of the computer.

Volume =
$$Bh$$
 Formula for the volume of a prism
= $(1080)(45)$ Substitute 1080 for B and 45 for h .
= $48,600$ Simplify.

▶ The volume of the computer is 48,600 cubic centimeters.