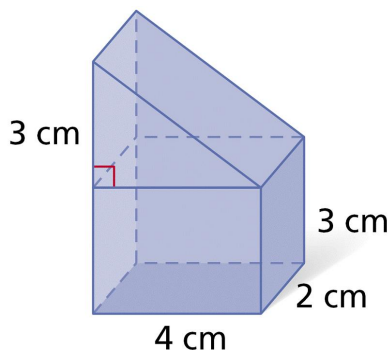


## TOPIC 15-2: SURFACE AREA & VOLUME OF COMPOSITE 3-D FIGURES

**EXAMPLE 1:** Find surface area and volume of the following composite figure.



Surface Area  
Rectangular Prism + Triangular Prism

P=	+	P=
B =		B =
h=		h=
TA=		TA=

**SA =** \_\_\_\_\_

Do we need all faces?

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

Volume

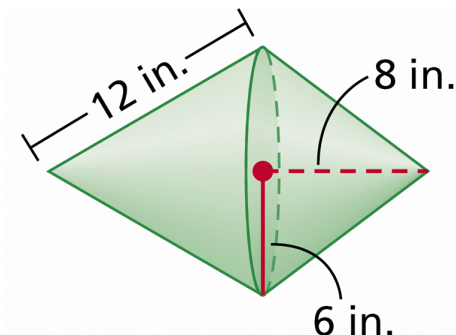
Rectangular Prism + Triangular Prism

B =	B =
h =	h =

**V =** \_\_\_\_\_

**EXAMPLE 2:** Find surface area of the following composite figure to the nearest hundredth.

Do we need all faces?



Surface Area

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

$$\underline{\text{LA}} + \underline{\text{LA}}$$

r =

cone #1  $\ell$  =

cone #2  $\ell$  =

B =

cone #1 h =

cone #2 h =

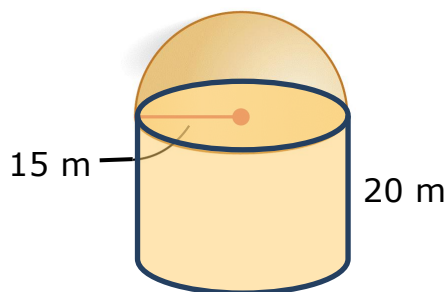
SA = \_\_\_\_\_

V = \_\_\_\_\_

Volume:

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

**EXAMPLE 3:** Find the EXACT surface area and volume of the following composite figure.



$r =$

$h =$

$B =$

Surface Area

Do we need all faces?

\_\_\_\_\_ + \_\_\_\_\_ - \_\_\_\_\_

**SA =** \_\_\_\_\_

**V =** \_\_\_\_\_

Volume

\_\_\_\_\_ + \_\_\_\_\_