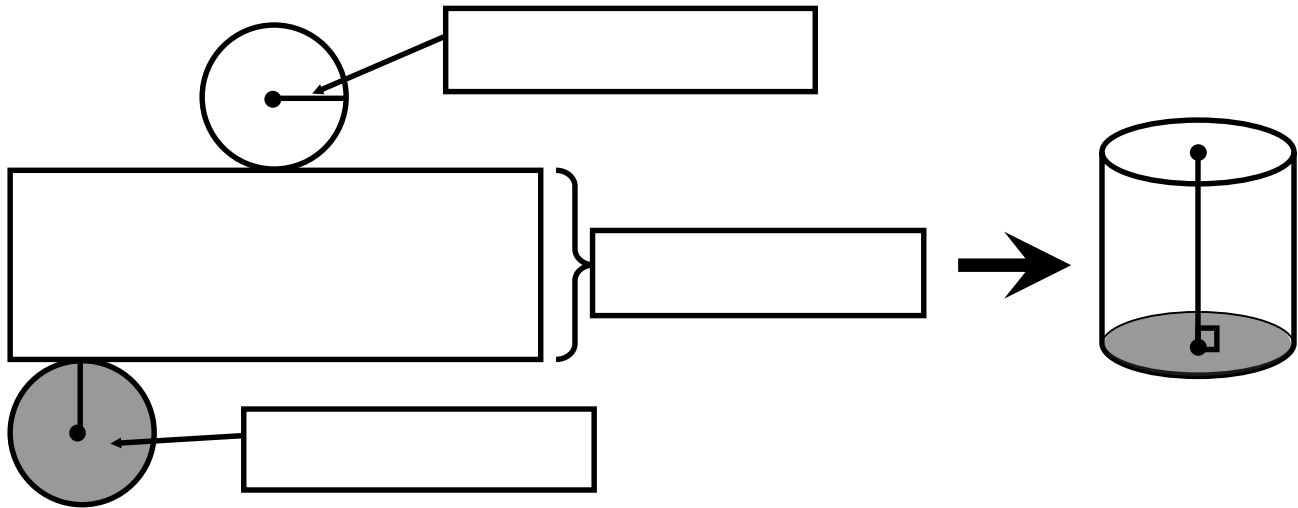


## NOTES 12.2/12.4b

### LATERAL AREA, SURFACE AREA, AND VOLUME OF CYLINDERS

The figure below is a net for a right cylinder:



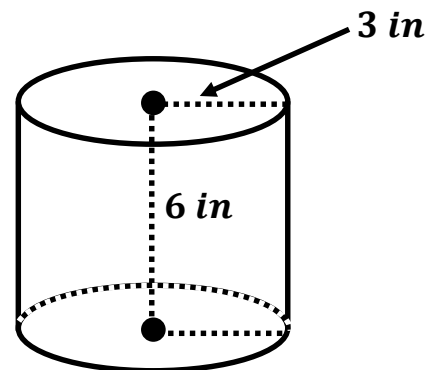
#### FORMULAS

**LATERAL AREA:**

**SURFACE AREA:**

**VOLUME:**

**EXAMPLE 1:** For the cylinder below, find the **EXACT** *Lateral Area*, *Surface Area*, and *Volume*.

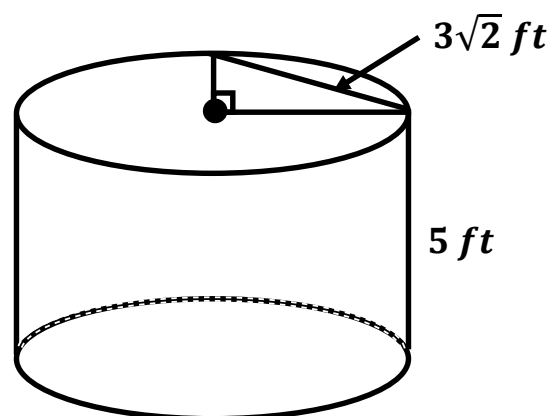


**LA** = \_\_\_\_\_

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

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

**EXAMPLE 2:** For the cylinder below, find the EXACT *Lateral Area*, *Surface Area*, and *Volume*.

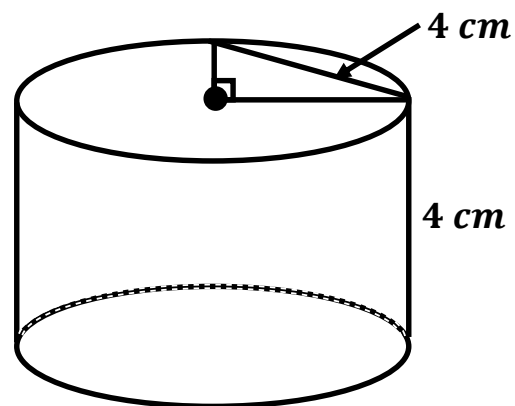


LA = \_\_\_\_\_

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

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

**EXAMPLE 3:** For the cylinder below, find the EXACT *Lateral Area*, *Surface Area*, and *Volume*.



LA = \_\_\_\_\_

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

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