## VOCAB:

Net: A net is a 2-D representation of a 3-D figure. A net can be folded into a 3-D figure.
Surface Area: The surface area of the TOTAL AREA of all faces and curved surfaces in a 3-D figure.
You can think about it this way: Say the 3-D shape was dropped into and fully submerged in a bucket of paint. The amount of paint used to cover it represents the surface area!

Lateral Area (prism): The sum of all faces of a prism EXCEPT for the bases. (the side area of the prism)

Find the surface area of each 3-D figure. (Imagine the shape, when folded, was dropped into a bucket of paint. Find how much paint, in square units, covers each figure).
a) How do you think it would be EASIEST to find the surface area from each given net?
b) Find all necessary lengths and calculate the surface area:


## Formula for lateral area of a prism/cylinder:

Formula for surface area of a prism/cylinder:

Examples: Name the solid given. Then, find the lateral area AND surface area of each solid.
1)


Total Surfface Area $=$ $\qquad$
2)


Totall Surfface Area $=$ $\qquad$
3)

4) $\qquad$ Surface Area = $\qquad$


10 in.

