

# Geometry

## Chapter 1

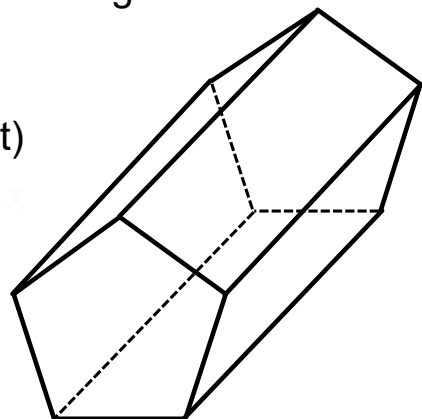
### Section 1-1

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## Figures

In geometry we will work with two types of figures:

- 2D figures (length and width)
  - > On a "flat" surface
- 3D figures (length, width and height)
  - > Real world



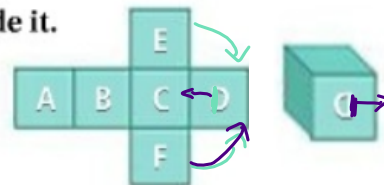
May 13-10:44 PM

## Diagrams: Drawing 3D shapes in 2D

Net	Two-dimensional diagram that can be folded into a three-dimensional figure
Isometric Drawing	Shows a corner view of a three dimensional figure
Orthographic Drawing	Three separate views of a three-dimensional object: front view, top view, and side view

May 13-10:44 PM

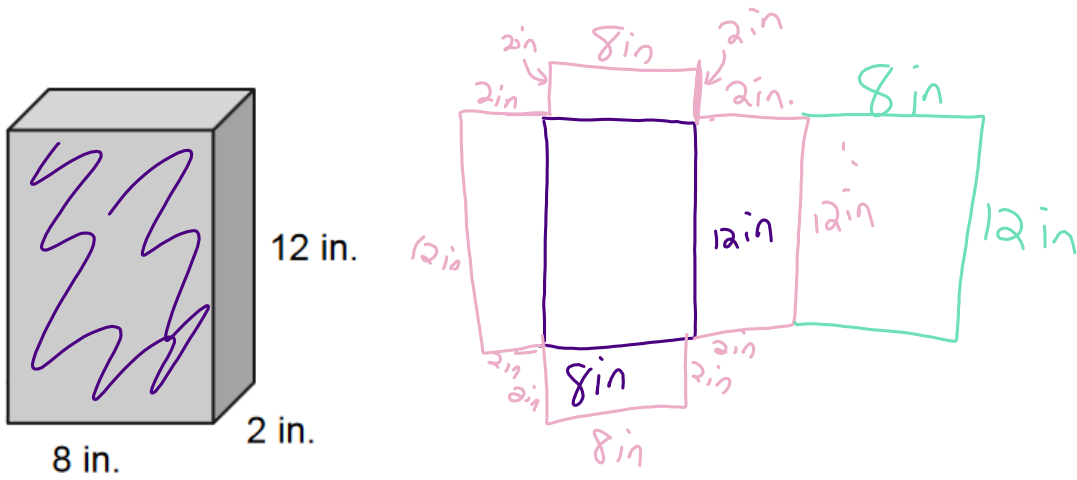
The net at the right folds into the cube shown beside it.  
Which letter will be on the top of the cube?



F

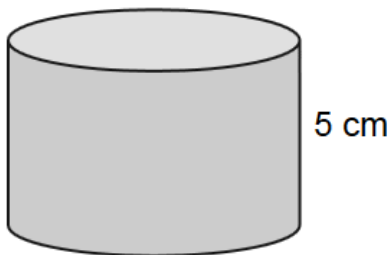
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Draw the net from the three-dimensional shape shown below. Label the net with dimensions.



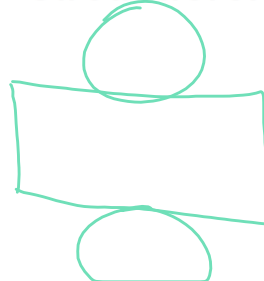
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Draw the net from the three-dimensional shape shown below. Label the net with dimensions.



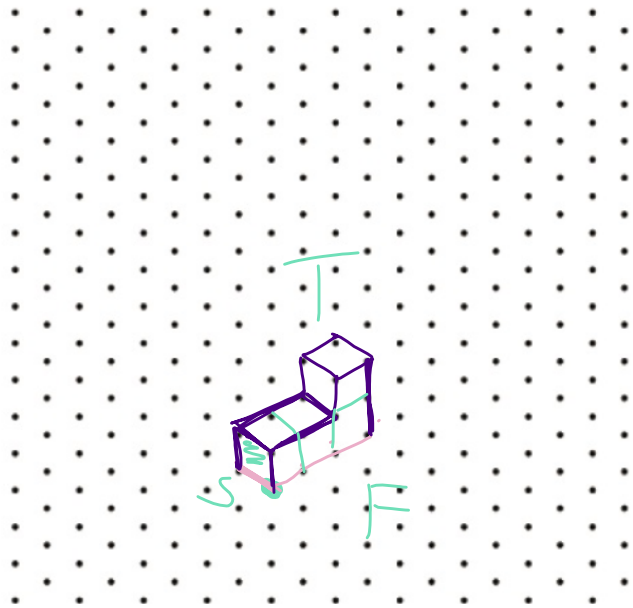
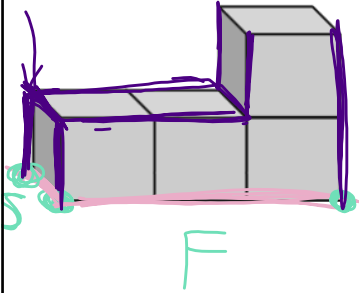
Top (circle)

Circumference: 14 cm



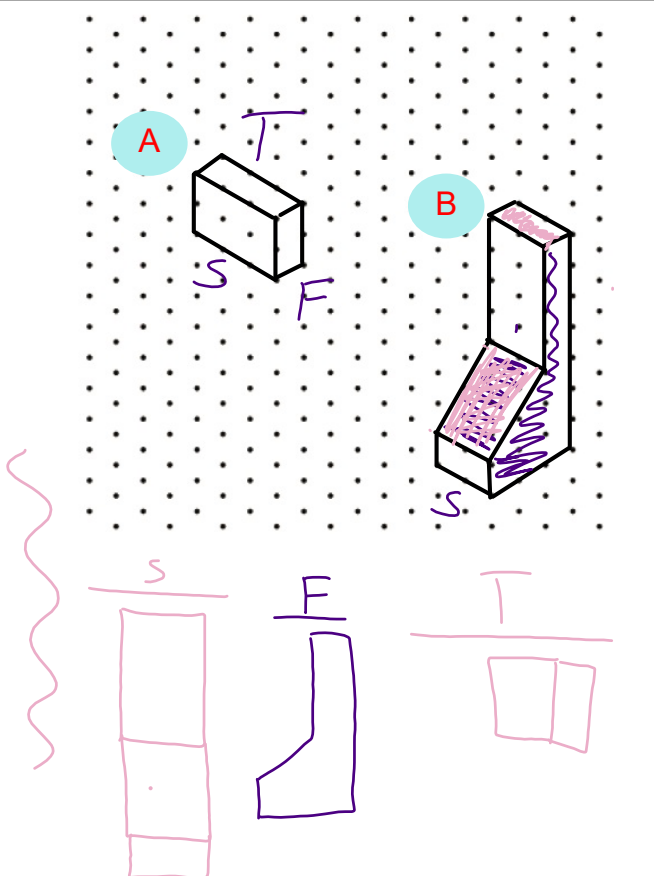
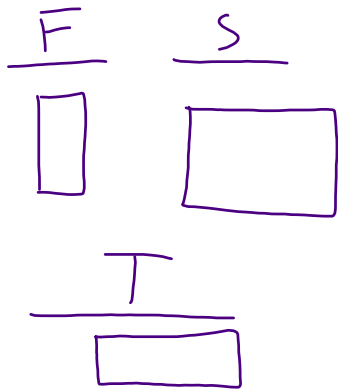
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What is an isometric drawing of the figure below?



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What are the orthographic drawings for the isometric drawings at the right?



Aug 8-5:30 PM

# Homework

Pages 7-9

# 8 - 12 even, 24 - 30 even, 34 - 37 all

May 13-10:02 PM