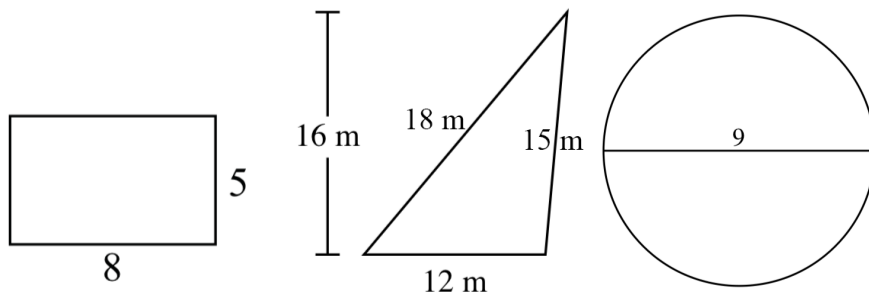


## Pre-Algebra Homework #18

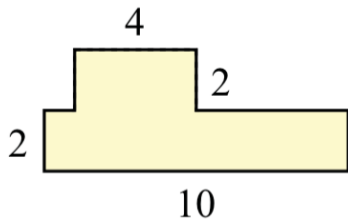
- 1) Find the area and perimeter of each shape. Give exact and approximate answers when appropriate. Assume that  $\pi = 3.14$



- 2) Create a box plot with the following set of data. Round to the nearest tenth when needed.

7, 12, 14, 13, 13, 17, 9, 9, 12

- 3) Find the area and perimeter of the following rectilinear.

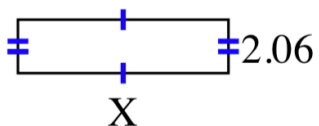


- 4) Create a histogram using the following data

3, 12, 14, 14, 5, 26, 59, 55, 47, 59, 43, 60, 77, 60, 69, 74, 90, 88

- 5) Find the missing side.

$$\text{Area} = 16.7066$$

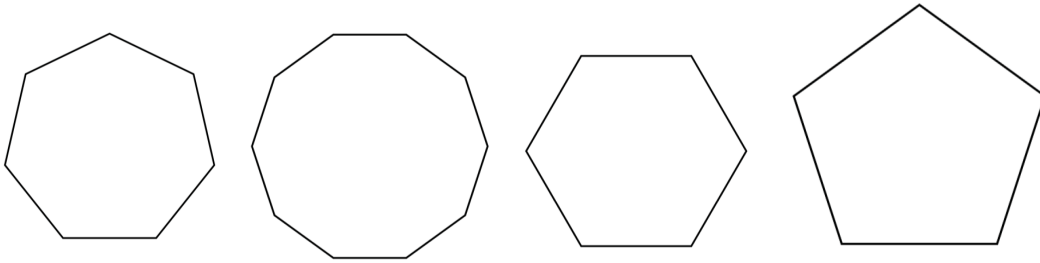


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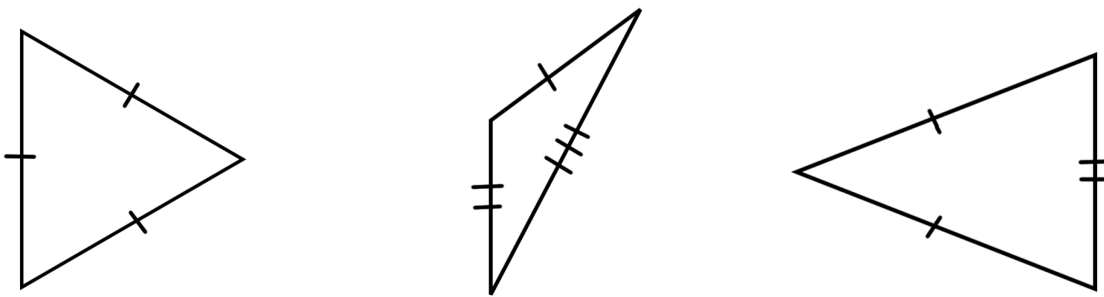
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# Pre-Algebra Homework #18

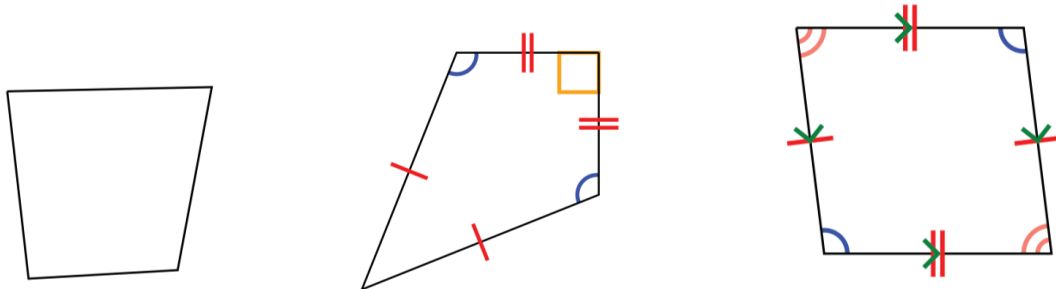
6) Identify the following shapes.



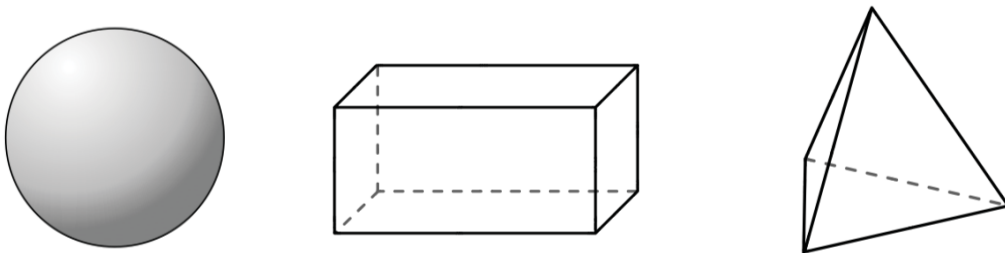
7) Identify what type of triangle and state whether it is acute, obtuse, or right.



8) Classify the following shapes.



9) Name and determine the faces, vertices, and sides of the following figures.

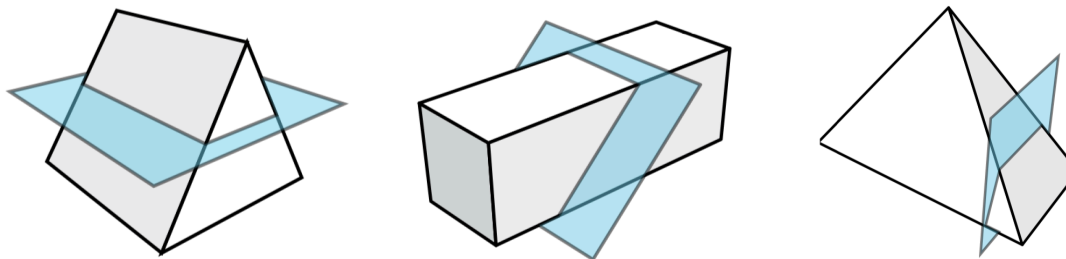


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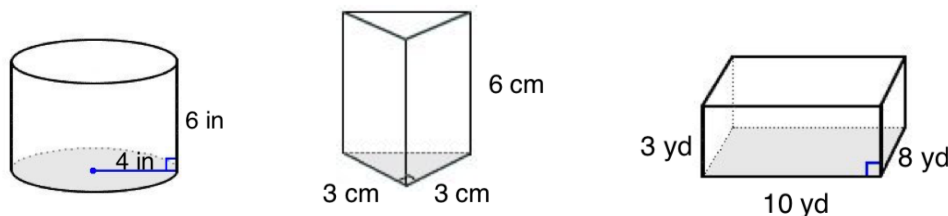
## Pre-Algebra Homework #18

- 10) Determine the 2D shape that would be created if the 3D shape was sliced as shown.

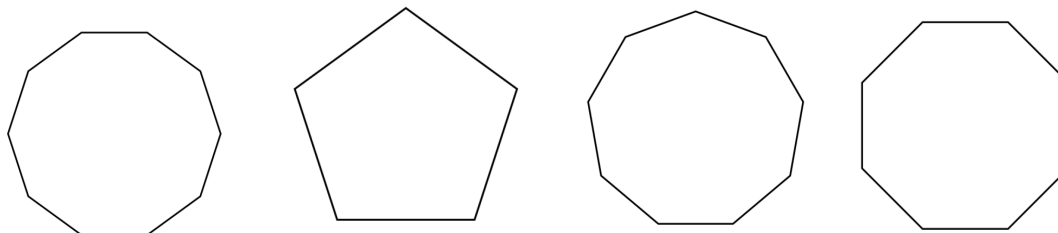


- 11) Use graph paper to draw each rectangle to the scale shown and determine the new dimensions and area.
- Create another rectangle that is scaled to 4 times the **SIZE** of a rectangle with current dimensions of 3 and 4.
  - Create another rectangle that is scaled to 4 times the **DIMENSIONS** of a rectangle with current dimensions of 3 and 4.

- 12) Find the volume of the following prisms. Round to two decimal places when needed.



- 13) Identify the following shapes.

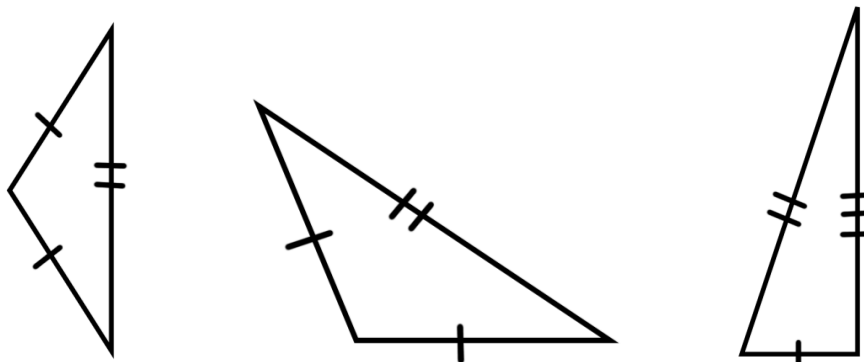


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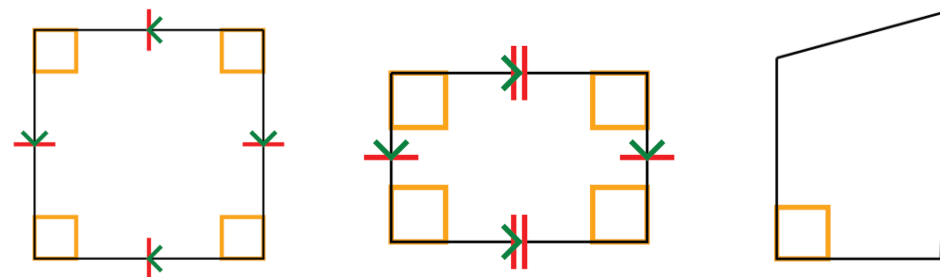
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## Pre-Algebra Homework #18

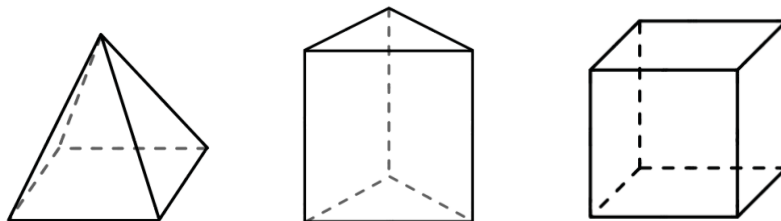
- 14) Identify what type of triangle and state whether it is acute, obtuse, or right.



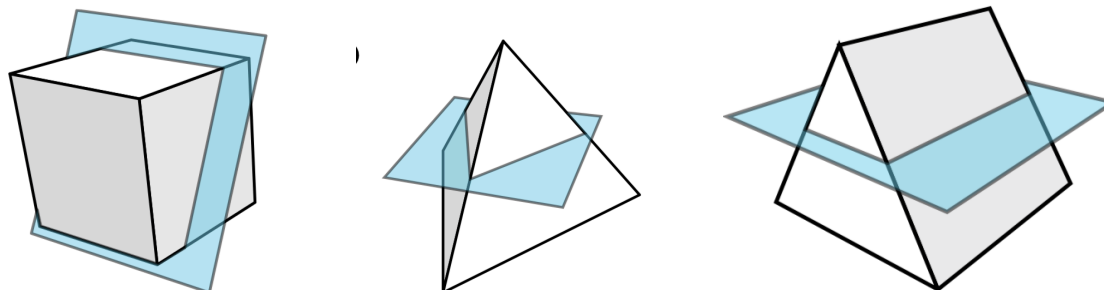
- 15) Classify the following shapes.



- 16) Name and determine the faces, vertices, and sides of the following figures.



- 17) Determine the 2D shape that would be created if the 3D shape was sliced as shown.



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## Pre-Algebra Homework #18

- 18) Use graph paper to draw each rectangle to the scale shown and determine the new dimensions and area.
- Create another rectangle that is scaled to 9 times the **SIZE** of a rectangle with current dimensions of 2 and 4.
  - Create another rectangle that is scaled to 9 times the **DIMENSIONS** of a rectangle with current dimensions of 2 and 4.
- 19) Identify the following prism: it has 6 faces, 8 vertices, and 12 edges.
- 20) Identify the following prism: it has 5 faces, 6 vertices, and 9 edges.

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