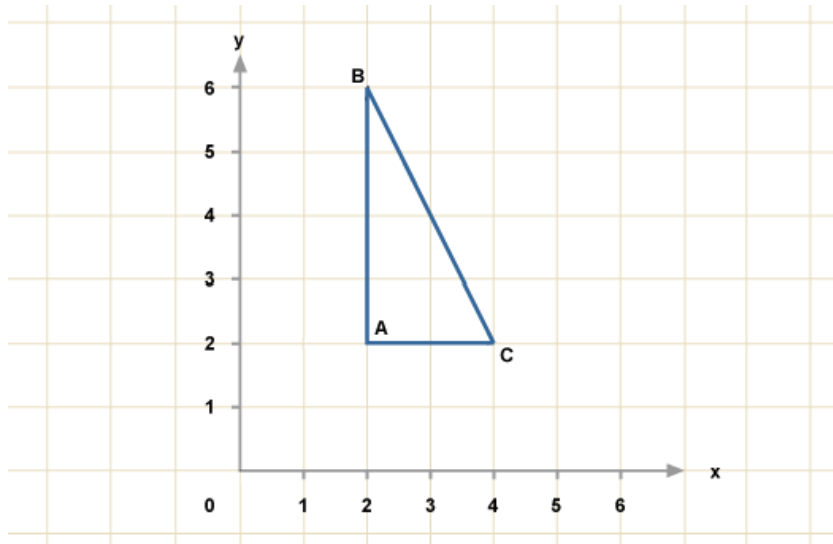# Math Test Review - Topic 20

- I can develop strategies to find the surface area of rectangular solids.
- I can identify, compare, and analyze attributes of 2 and 3 dimensional shapes.
- I can use strategies to find the area of irregular shapes.

Use the grid to answer questions 1 - 4.

Remember! *To find the area of a triangle use the following formula: b x h x ½*

1. Find the area of the triangle labeled ABC._____Square units

2. Write the coordinates for each point on the triangle.

A (_____,_____)   B (_____,_____)   C (_____,_____)

3. Double both coordinates in each ordered pair. Plot the new points on the graph paper.
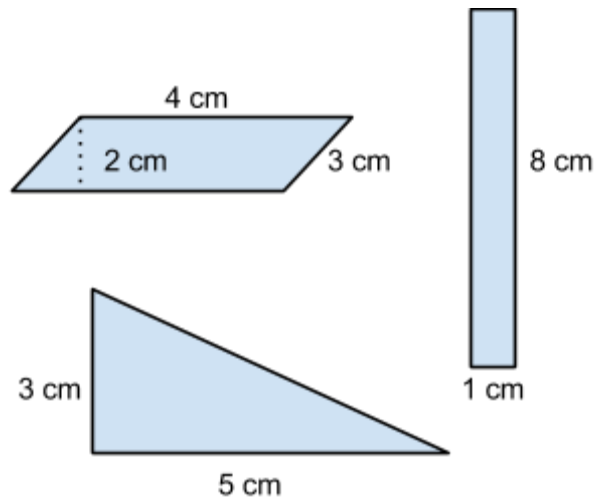
A (_____,_____)   B (_____,_____)   C (_____,_____)

4. What is the area of the new triangle? How does this compare to the area of the first triangle?

Area: _____square units

Comparison:

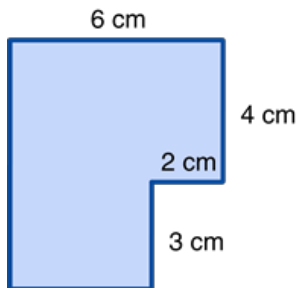5. Which figure does *not* have the same area as the other two figures?

A. Triangle
B. Rectangle
C. Parallelogram

4 cm

2 cm   3 cm   8 cm

6. What is the area of the triangle?

3 cm   1 cm

5 cm

_____square units

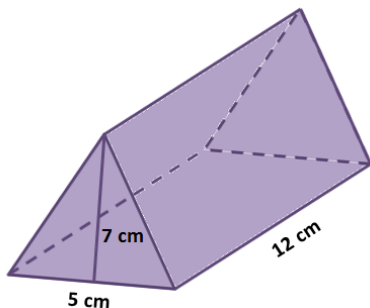7. What is the area of the shape below?

6 cm

4 cm

2 cm

3 cm

Area = _____square centimeters

Remember: the number of edges (e) on a polyhedron is always 2 less than the sum of the shape's vertices (v) and faces (f). (f + v) - 2 = e

8. If a polyhedron has 7 faces and 10 vertices, how many edges does it have?

Edges = _____

9. What is the surface area of the shape below?

Surface Area = _____square centimeters

7 cm   12 cm

5 cm