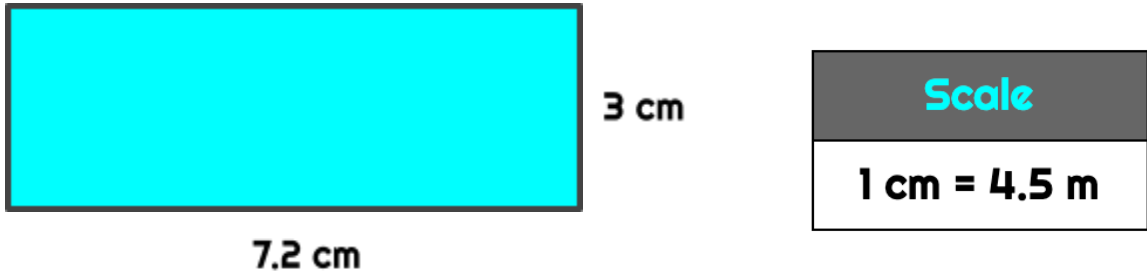


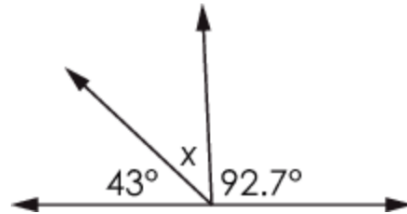
Module #11 Test REVIEW!

- 1) Magdalena creates the scale drawing shown of a rectangular field.



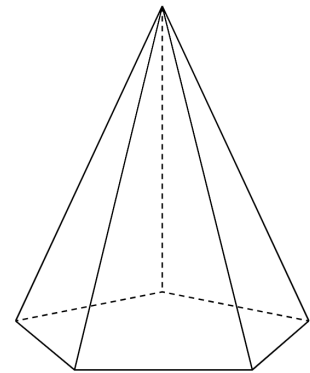
What is the area, in square meters (m^2), of the actual field?

- 2) What is the value, in degrees, of x ?



- 3) A right pentagonal pyramid is shown:

Select all of the two-dimensional shapes that can result from slicing the right pentagonal pyramid with a plane parallel or perpendicular to its base.

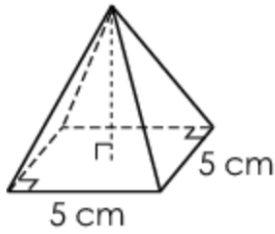


- Triangle Pentagon
- Rectangle Trapezoid Parallelogram

- 4) A triangle has a side length of $\frac{3}{4}$ inch and a side length of 3 inches.

What could be the length, in inches, of the third side of the triangle?

5)



A three-dimensional figure is shown. Select all of the shapes of the cross sections that could result from slicing the figure as described in the table.

	Square	Triangle	Trapezoid
Parallel to the base			
Perpendicular to the base through the apex			
Perpendicular to the base, not through the apex			

6) A right square pyramid is sliced through its apex and perpendicular to its base. What is the shape of the cross section that is the result of this action?

- A) A square B) an isosceles triangle
 C) an isosceles trapezoid D) a non-isosceles trapezoid

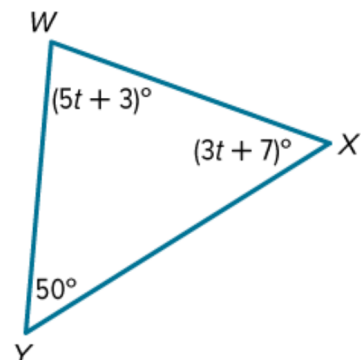
7) What is the **COMPLEMENT** of a 32° angle?

What is the **SUPPLEMENT** of a 96° angle?

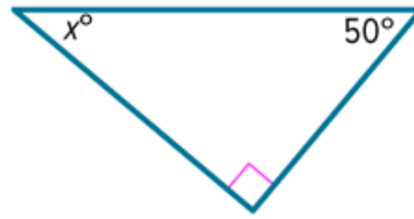
8) In $\triangle FGH$ the measures of angles F, G, and H, respectively, are in the ratio 4:4:10. Find the measure of each angle.

$m\angle F =$ $m\angle G =$ $m\angle H =$

9) What is the value of t in the figure?



10) What is the value of x ?



Classify the triangle by its sides and angles.

11) Use a ruler and a protractor to determine whether or not it is possible to draw a triangle with a 50° angle, a 60° angle, and an 80° angle. If you cannot draw the triangle, explain why.

12) Determine whether each set of measurements can form a triangle:

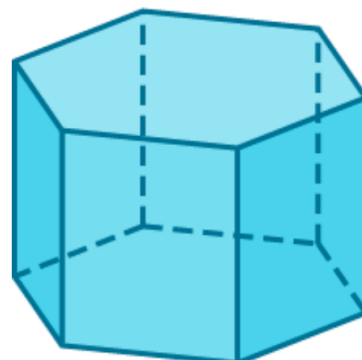
$35^\circ, 15^\circ, 130^\circ$ **YES / NO**

$70^\circ, 70^\circ, 70^\circ$ **YES / NO**

17 inches, 8 inches, 2 inches **YES / NO**

5 inches, 6 inches, 7 inches **YES / NO**

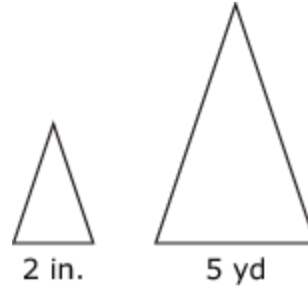
13) Name the number of faces, edges and vertices on the figure shown:



- 14) The figure on the left represents a scale drawing of the figure on the right.

What is the scale?

1 inch: _____ yards



- 15) An architect makes a scale drawing of a building. She uses the scale shown:

1 centimeter = 3 meters

The length of the building in the drawing is 11 centimeters.

What is the actual length, in meters, of the building?