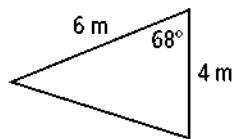


Geometry Homework – 10-5 and 11-1

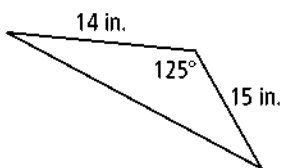
Name: _____ Block: _____ Date: _____

Find the area of each triangle. Round your answers to the nearest tenth.

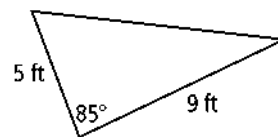
1)



2)



3)

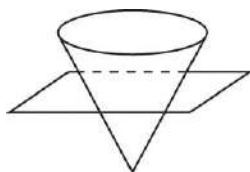


4) The Tribeca neighborhood in New York City gets its name from its shape and location (a triangle below Canal Street). The triangular part of the neighborhood is formed by the intersection of Canal Street, Hudson Street, and West Broadway. This section of Hudson Street is about 3000 ft long, this section of West Broadway is about 2500 ft long, and the angle enclosed by the two streets is approximately 25° . What is the area of this part of Tribeca? Round your answer to the nearest thousand square feet.

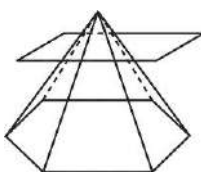
5) Several streets intersect to form triangles near Dupont Circle in Washington, D.C. One such triangle is formed by New Hampshire Avenue, Massachusetts Avenue, and 16th Street. The section of New Hampshire Avenue is about 3100 ft long. The section of 16th Street is about 3500 ft long. The angle enclosed by the two streets has a measure of about 35° . What is the area of this triangle, to the nearest 100 ft^2 ?

Describe each cross section.

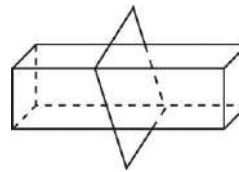
6)



7)

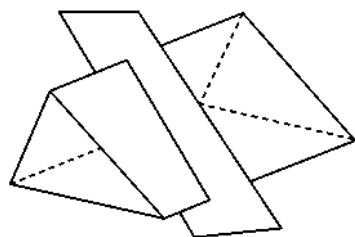


8)

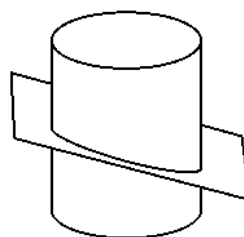


Describe each cross section.

9)

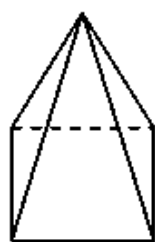


10)

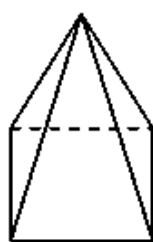


Reasoning **Can you find a cross section of a square pyramid that forms the figure? Draw the cross section if the cross section exists. If not, explain.**

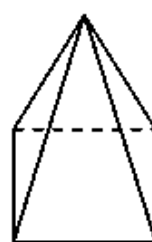
11) square



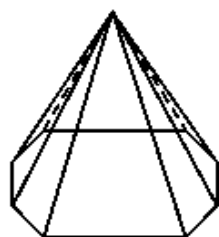
12) isosceles triangle



13) trapezoid



14) What is the cross section formed by a plane that is parallel to the base of the figure at the right?



15) What is the cross section formed by a plane that is parallel to the bases of the figure at the right?

