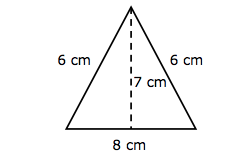
**Review Sheet**

|  |  |
| --- | --- |
| **WHAT DO WE KNOW ABOUT RECTANGLES?** | |
| **What do we know about degree of each angle in a rectangle?** | |
| **Standard Rectangle** | **Square** |
| **Draw a picture**  **Label the sides on the picture above.**  **(**Base, height, length, width)  **What is the perimeter formula for a rectangle?**  **What is the area formula for a rectangle?** | **Draw a picture**  **Label the sides on the picture above.**  (Side)  **What is the perimeter formula for a square?**  **What is the area formula for a square?** |
| **What type of units should you use for length, width, or perimeter?**  **What type of units should you use for area?** | |

|  |  |
| --- | --- |
| **WHAT DO WE KNOW ABOUT TRIANGLES?** | |
| **What is the sum of the interior angles of any triangle?** | |
| **Scalene Triangles** | **Isosceles Triangles** |
| **Draw a picture**  **Label the sides on the picture above** (Base, height, altitude) | **Draw a picture**  **Label the sides on the picture above**  (Base, height, altitude)  **What do we know about the angles of an isosceles triangle?**  (Explain & Label on picture) |
| **Equilateral Triangles** | **Right Triangles** |
| **Draw a picture**  **Label the sides on the picture above** (Base, height, altitude)  **What do we know about the angles of an equilateral triangle?**  (Explain & Label on picture) | **Draw a picture**  **Label the sides on the picture above**  (Base, height, altitude, a, b, c, legs, hypotenuse)  **What do we know about one angle in an equilateral triangle?** (Explain & Label on picture)  **What do we know about the relationship between the sides in a right triangle?** |
| **What is the perimeter formula? What is the area formula?**  (Both equations work for all triangles) | |

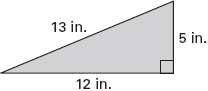
**For #1-3, do the following:**

1. Classify the triangle based on the sides (Scalene, Equilateral, or Isosceles)
2. Find the area of the triangle.
3. Find the perimeter of the triangle.

 a) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

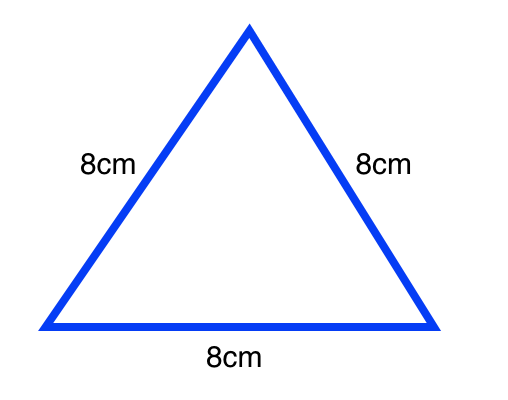
c) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. 

a) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. .

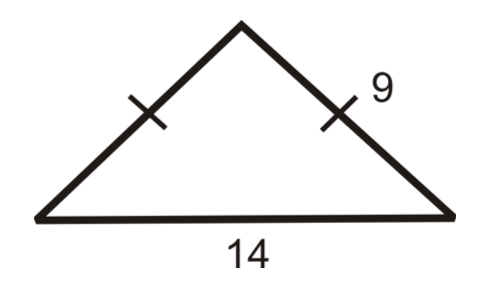
a) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Assume the lengths given are in yards.

a) Classify the triangle \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

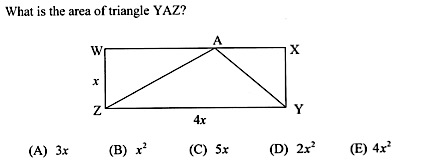


b) Find the perimeter of the triangle.

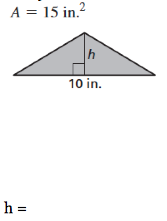
c) Draw in the height/altitude of the triangle

d) Find the height/attitude of the triangle

e) Find the area of the triangle



1. .
2. Find the height of the isosceles triangle below.

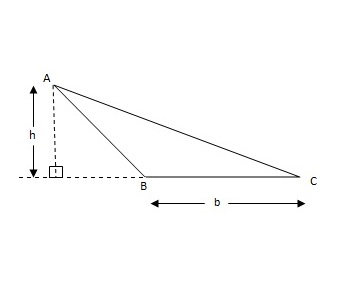


\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Find the base of a triangle with altitude of 9 meters and an area of 31.5 square meters?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

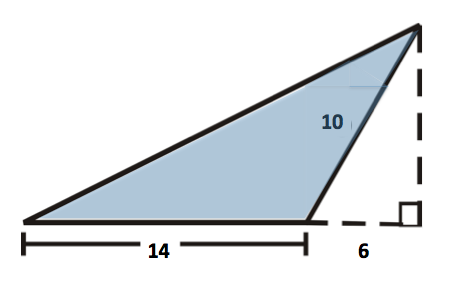
1. Solve A&B using the image below.

D

A. How many triangles do you see in the picture?

1. Draw each triangle separately and then label each triangle.
2. **Find the area and perimeter of the triangle below.**

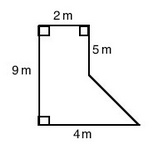
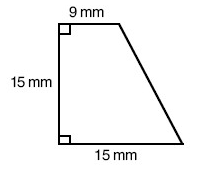
(Assume lengths given in the picture are in feet)



A = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

P = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

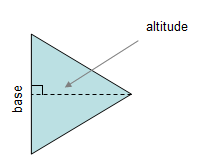
For problems #8 & #9, find the perimeter and area. (2 points each)



**10**. **11.**

**#12 -13 Review from previous chapters and algebra 1:**

1. Find the diagonal of a square with a perimeter of 32 miles. (Put your answer in radical form)



1. The area of a triangular sheet of paper is 14 square inches. One side of the triangle is 3 inches longer than the altitude to that side. Find the length of the one side and the length of the altitude to that side.