**Review Sheet**

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| **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?** |

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| **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.



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

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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.