Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Points: \_\_\_\_\_\_

1. In the figure  and  . Find the eight angles.

2

1

4

7

8

5

6

3

2. In triangle , , ,. Find *x* and the three angles.

3. Find x and the measure of each angle.

****

****

4. Solve for x and find the measure of each angle.

x2

2x2

5. A rectangle has length cm and width cm. Find the perimeter and the area of the rectangle.

6. If BC=3x+7, AD=x and the area of ∆*ABC* is 24, find x and BC.

D

A

C

B