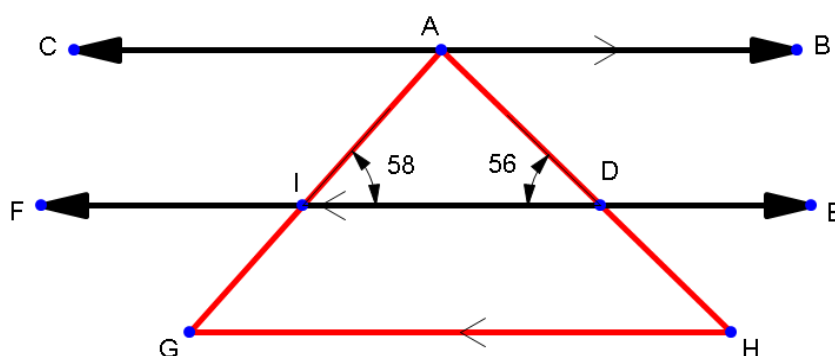


Name: _____

The Angles of a Triangle

A) In the diagram below, given $\triangle AGH$ such that $\overline{CB} \parallel \overline{EF} \parallel \overline{GH}$.



Find:

1) $m\angle IAD$

2) $m\angle AGH$

3) $m\angle AHG$

B) The measure of the angles of a triangles are represented by $2x$, $3x - 15$, and $7x + 15$. Find

4) the value of x

5) the measure of each angle.

C) The measure of the angles of a triangles are represented by $2x-4$, $3x-11$, and $7x+15$. Find:

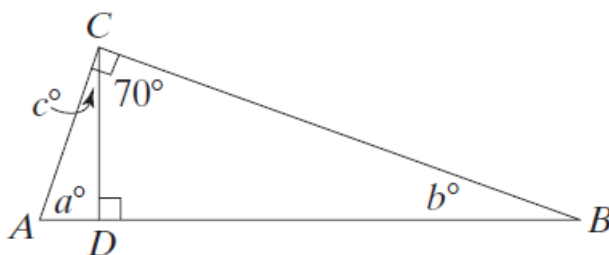
6) the value of x

7) the measure of each angle.

D) The measure of one acute angle in a right triangle is double the measure of the other acute angle plus ten.

8) Find the measure of each angle

E) Given the diagram below, find:



9) The value of b

10)The value of c

11)The value of a