

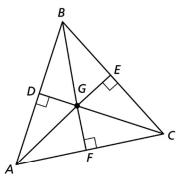
What Did The Computer Do At Lunchtime? It . . .

Write the letter of each answer in the box containing the exercise number.

Complete the sentence.

- **1.** When three or more lines, rays, or segments intersect in the same point, they are called _____ lines, rays, or segments.
- **2.** The circumcenter of a triangle is _____ from the vertices of the triangle.
- **3.** The angle _____ of a triangle are concurrent.
- **4.** The ______ of the triangle is the point of intersection of angle bisectors.
- **5.** The incenter of a triangle always lies _____ the triangle.

Find the indicated measure using the diagram. The perpendicular bisectors are at points D, E, and F. Angle bisectors are at A, B, and C.



- **6.** AG = 13, BD = 5; Find GD.
- **7.** GF = 8, GC = 17; Find AF.
- **8.** G is the incenter, GD = 4x 1, and GE = 3x + 5; Find GF.

6 1 5 4 3 8 2 7

Answers

- **H.** 12
- **U.** circumcenter
- **D.** inside
- **T.** equiangular
- N. measurements
- **A.** concurrent
- **M**. 5
- R. outside
- **E.** 15
- **Y.** 23
- **E.** 6
- **B.** bisectors
- O. congruent
- **S.** 18
- T. equidistant
- A. incenter