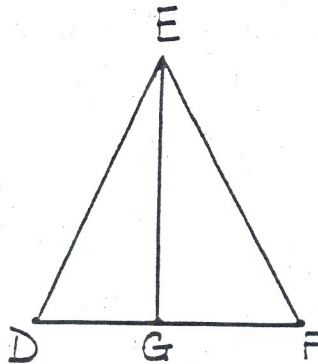


I. Use the given figure and the given information to decide in each case if \overline{EG} is a

- a. perpendicular bisector
- b. angle bisector
- c. median
- d. altitude



- 1) $\overline{DG} \cong \overline{FG}$ _____
- 2) $\overline{EG} \perp \overline{DF}$ _____
- 3) $\angle DEG \cong \angle FEG$ _____
- 4) $\overline{EG} \perp \overline{DF}$ & $\overline{DG} \cong \overline{FG}$ _____

5. What type of triangle would $\triangle DEF$ be if \overline{EG} is a perpendicular bisector, angle bisector, median and altitude (all at the same time)? _____
 In this case, $\angle DEF$ would have to be the _____ angle.

II. Identify \overline{BD} as a

- a. perpendicular bisector
- b. angle bisector
- c. median
- d. altitude
- e. all of the above

