

GEOMETRY CHAPTER 5 - PRACTICE TEST

Complete the following sentence by filling in the blank with *always*, *sometimes* or *never*.

- 1) Three Altitudes _____ meet inside the triangle
- 2) Any point on an Angle Bisector is _____ the same distance to either side of the triangle.

For problems 3 – 4, use the picture provided to solve for each missing variable.



Use the following information to solve problem 5.

- 5) Find the measure of all sides of $\triangle ABC$. State the Perimeter of the Triangle. Classify the triangle by its sides and its angles.

$$A(-1, 1) \quad B(-2, 2) \quad C(4, 1)$$

Draw and label a figure to illustrate each situation in problems 6–7.

- 6) \overline{AB} is an angle bisector and an median of $\triangle ADC$
- 7) \overline{MN} is an altitude of $\triangle MNF$

Determine whether it is possible to draw a triangle with sides of the given measures for problem 8. Write *yes* or *no*.

- 8) 3.5, 2.5, 6.5

Geometry Chapter 5 Test Practice Test

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