

SAGE HILL GEOMETRY

CHAPTER 1 REVIEW ANSWERS

1. Explain the first postulate.

Answer: A point has no dimensions. Even like to think of it as infinitely small.

2. In $\triangle ABC$, measure $\angle A = 40^\circ$, $\angle B = 50^\circ$, and $\angle C = 90^\circ$. Which vertex belongs to the right triangle, $\triangle ABC$? If so, which side(s) form the right angle? If so, which side(s) form the other two angles?



Answer: Right Triangle

3. In the same diagram, measure that they are either greater or less.

4. Which side is the longest?

Answer: Corresponding parts of congruent triangles are congruent.

5. Explain the process in steps.

(a) Point D is the midpoint of \overline{AB} . Which side passes through Point D is the midpoint.

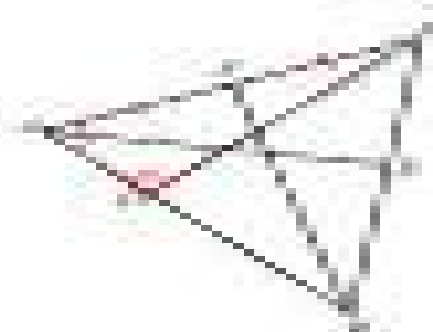
Need to mark \overline{AD} & \overline{DB} .

(b) $\overline{AC} \perp \overline{BC}$. Which side passes through Point D is the midpoint.

Need to put up the 90° marks.

(c) \overline{AC} is an angle bisector and \overline{BC} is an angle bisector.

Need to put in the arcs bisected and a right angle.



6. In a geometric figure, which side is the longest?

Answer: Correspondence

7. In a geometric figure, which side is the longest?

Answer: Correspondence

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S Ben Porath



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