

Ch. 4 Constructions

1. Draw an obtuse angle. Place a point inside the angle. Now construct perpendiculars from the point to both sides of the angle.

2. Draw an acute triangle. Label it ABC. Construct a line from C perpendicular to AB.

3. Construct an angle with the given measure. Clearly identify which angle in your construction has the desired measure. Remember, you may only use your compass and straightedge. No protractor!

a) 60° b) 30° c) 45° d) 135° e) 105° f) 7.5°

4. Draw a large acute scalene triangle and label it ABC. Construct the midpoint of side AB and label it M. Construct the midpoint of side BC and label it N. Construct lines through points M and N parallel to the sides AC and AB respectively.

5. Draw a triangle. Then construct another triangle that has a perimeter equal to half the perimeter of the first.

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