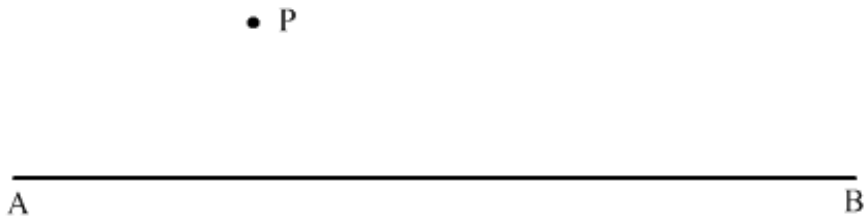
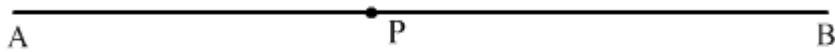


Geometry 1.2 Constructing perpendicular lines

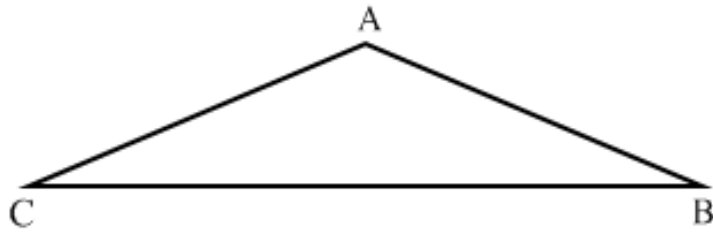
1. Construct a line perpendicular to \overline{AB} and passing through point P .
 1. With the pin of the compass on point P , draw an arc intersecting \overline{AB} at two points (extend \overline{AB} if necessary).
 2. From each point of intersection (from step 1), extend your compass and draw an arc.
 3. Draw a line from point P through the point at which the two arcs drawn in step 2 intersect.



2. Using the same steps as the ones used in question 1, construct a line perpendicular to \overline{AB} and passing through point P .



3. Using the diagram below, construct the altitude from angle A to \overline{BC} (a line passing through vertex A and perpendicular to \overline{BC}).



4. Construct a line passing through point P and perpendicular to the given line.

