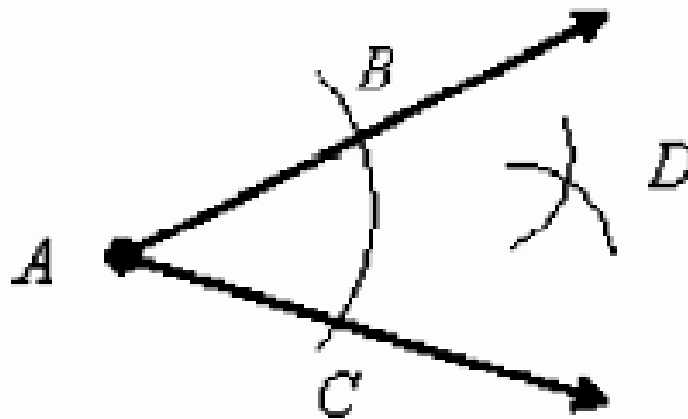


Which of the following is *not* used in constructions?

- A a straightedge
- B a protractor
- C a pencil
- D a compass

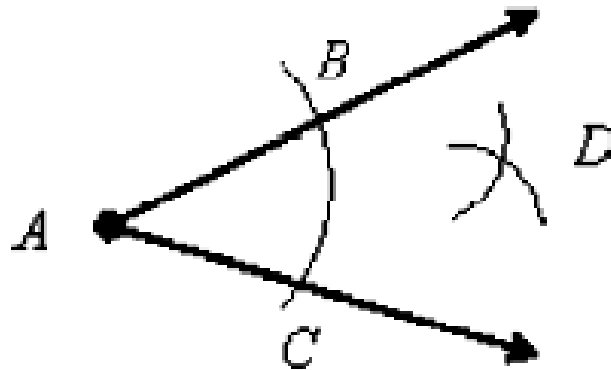
Use the diagram below, which shows a construction.



1 What best describes the construction shown?

- A angle bisector
- B congruent angles
- C copying an angle
- D perpendicular bisector

Use the diagram below, which shows a construction.



2 Using the diagram, which instruction shows how point D was constructed?

- A Using your compass, measure the distance from point B to point C .
- B From points B and C , draw arcs that intersect at a point.
- C Place point D in the interior of $\angle A$.
- D Draw congruent arcs from point A that intersect at a point.

How many parallel lines can be constructed to a given line through a point *not* on the line?

- A infinite
- B 2
- C 0
- D 1

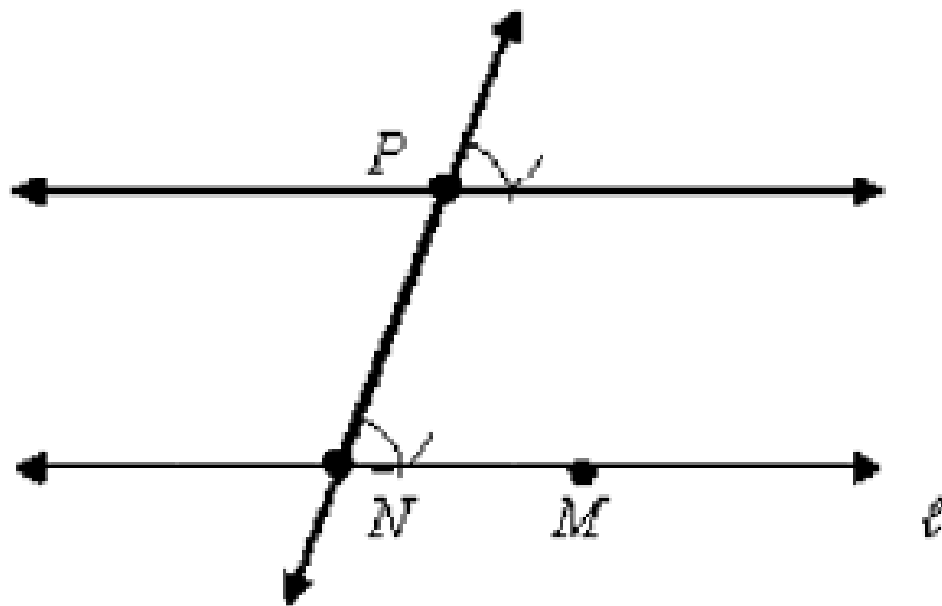
Given a segment \overline{XY} . What is the first step to construct the perpendicular bisector of \overline{XY} ?

- A Mark the midpoint of \overline{XY} .
- B Draw an arc from X longer than $\frac{1}{2}XY$.
- C Copy segment \overline{XY} .
- D Draw an arc from X smaller than $\frac{1}{2}XY$.

Anika is constructing a line parallel to a given line through a point not on the given line. What should be her first step?

- A Construct congruent angles at the point and at a point on the line.
- B Draw a line parallel to the given line through the point.
- C Draw a line through the point that intersects the given line.
- D Copy the line going through the given point.

Kobe made the construction below to construct parallel lines. What reason did he use, by doing the construction, to justify that the lines are parallel?

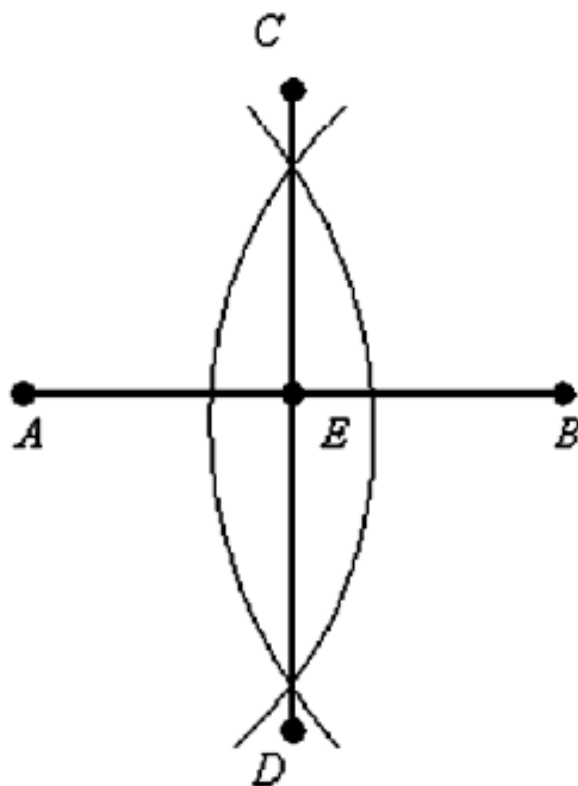


- A congruent alternate exterior angles
- B congruent alternate interior angles
- C congruent corresponding angles
- D congruent vertical angles

How do you construct the midpoint of a segment?

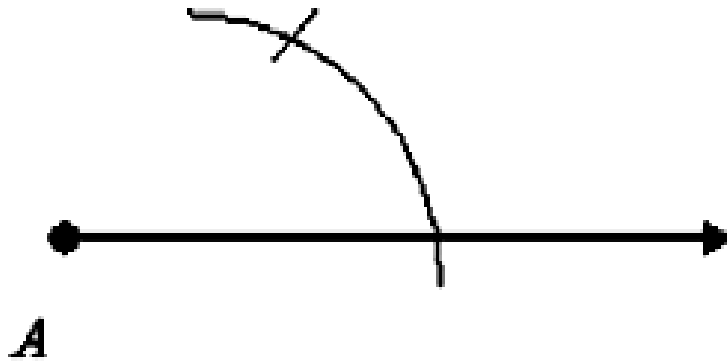
- A Measure its length and then divide by 2.
- B Construct an angle bisector.
- C Copy the segment twice.
- D Construct a perpendicular bisector.

Which of the following is *not* shown in the construction below?



- A angle bisector
- B midpoint
- C perpendicular segments
- D perpendicular bisector

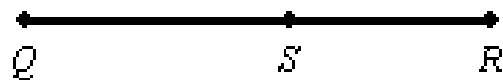
Charlie is using a straightedge and compass to do the construction shown below.



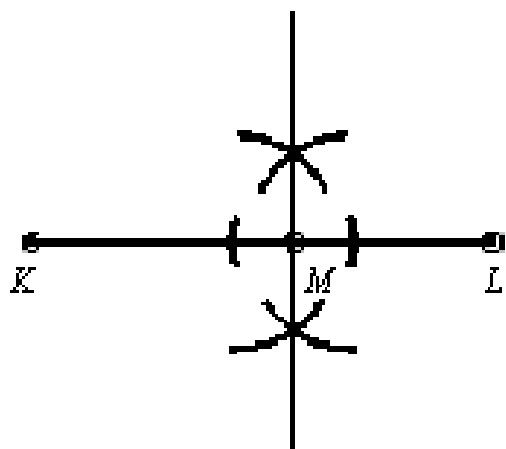
What best describes the construction Charlie is doing?

- A bisecting an angle
- B copying a segment
- C parallel line
- D copying an angle

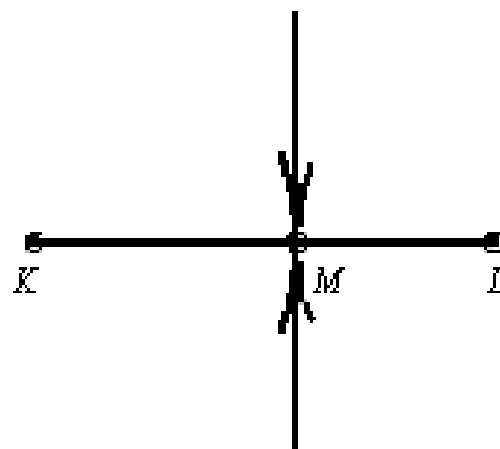
Construct the line perpendicular to \overline{KL} at point M .



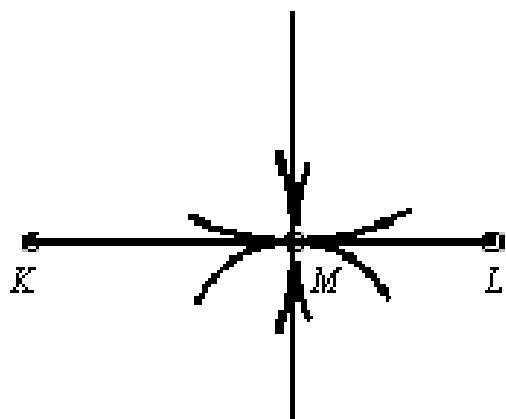
a.



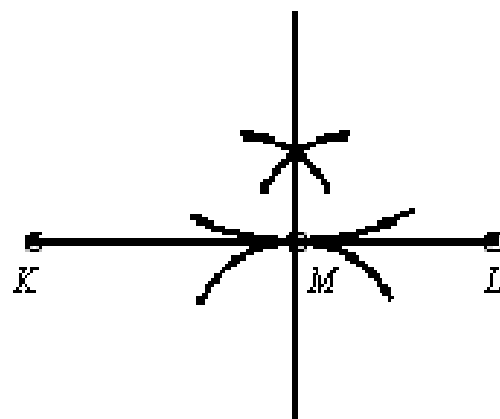
c.



b.

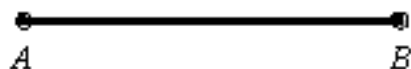


d.

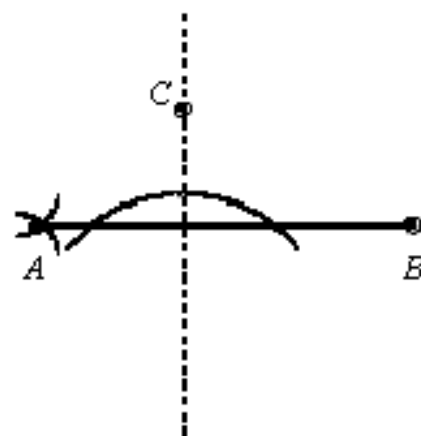


Construct the line that is perpendicular to the given line through the given point.

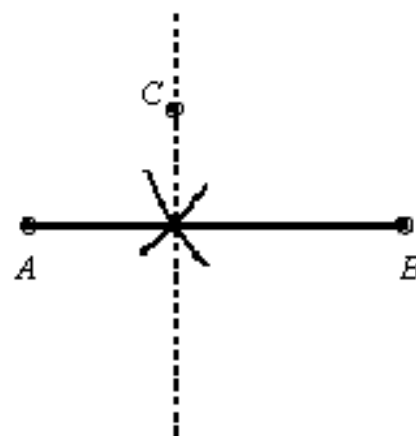
C



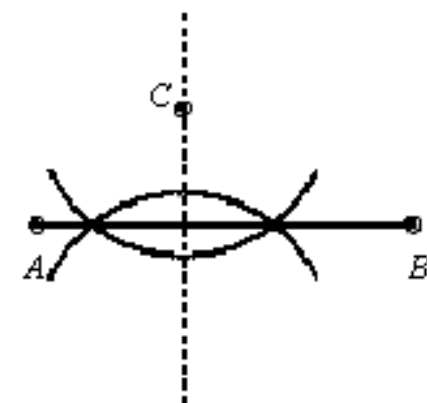
a.



c.



b.



d.

