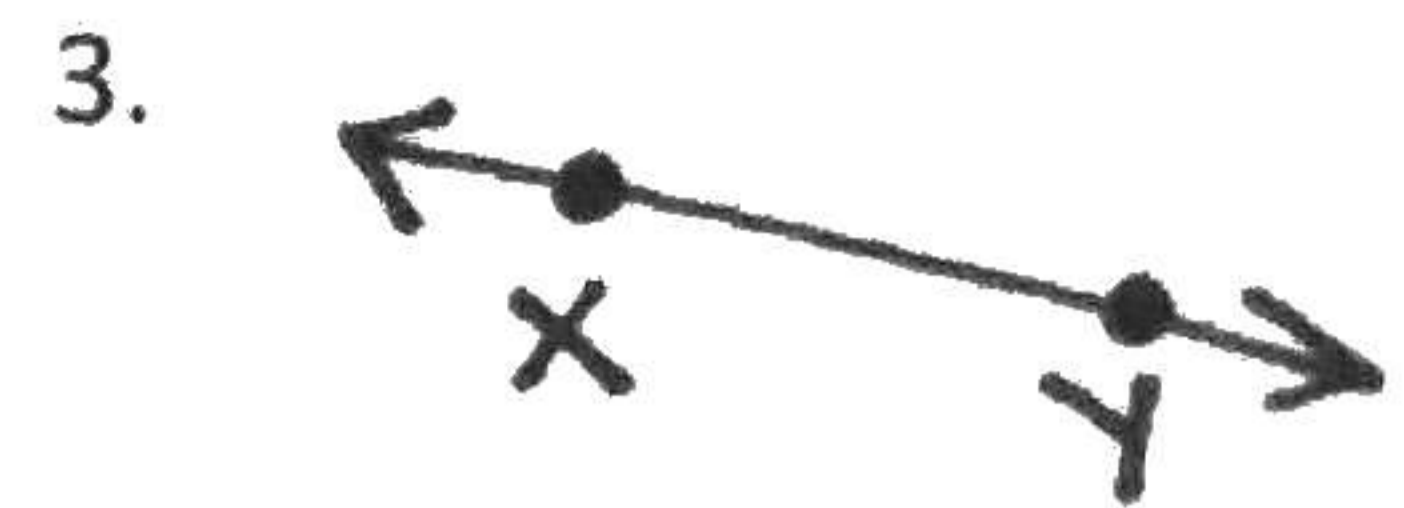


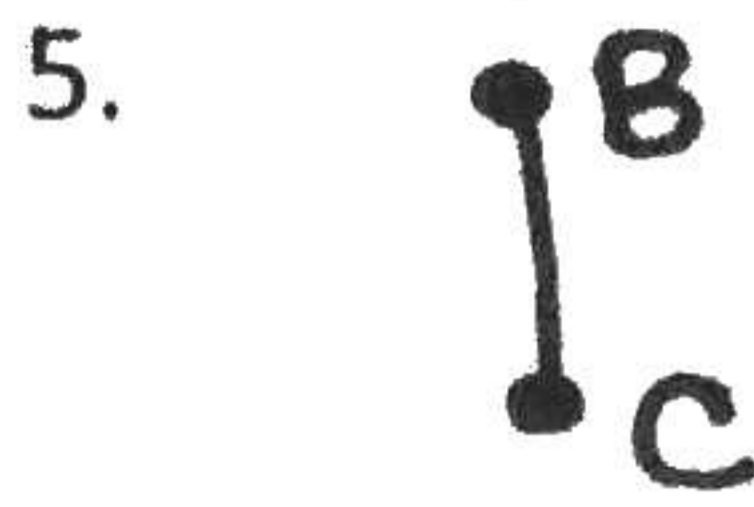
Basics of Geometry, Continued

Name: _____

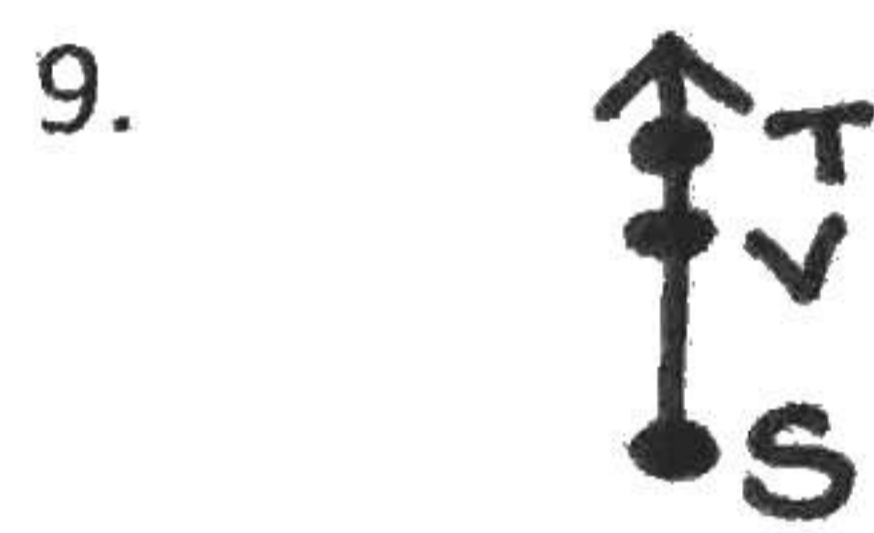
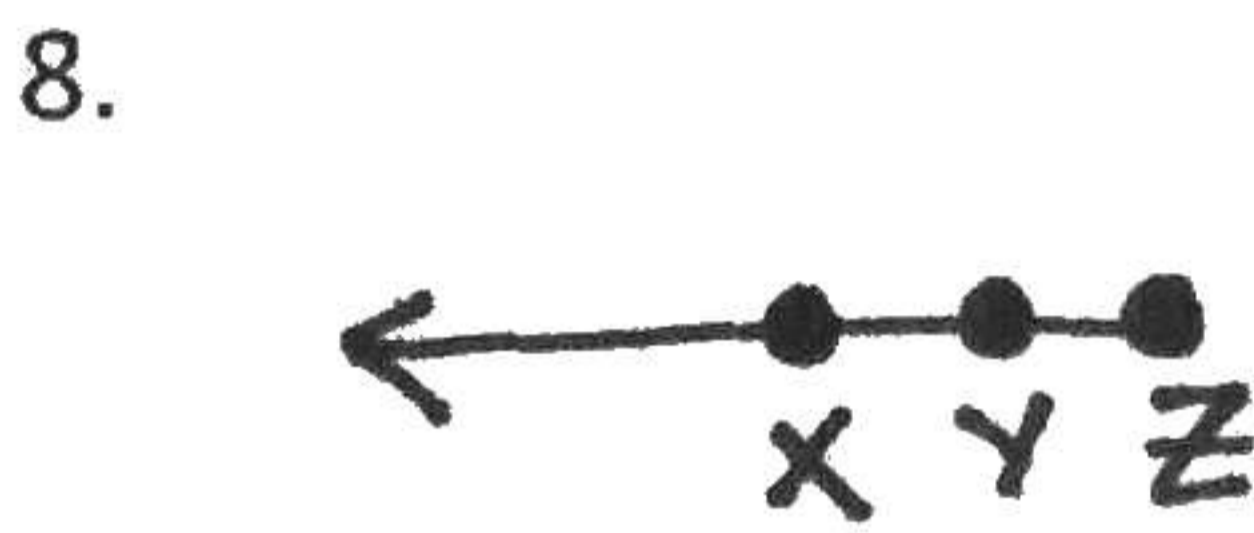
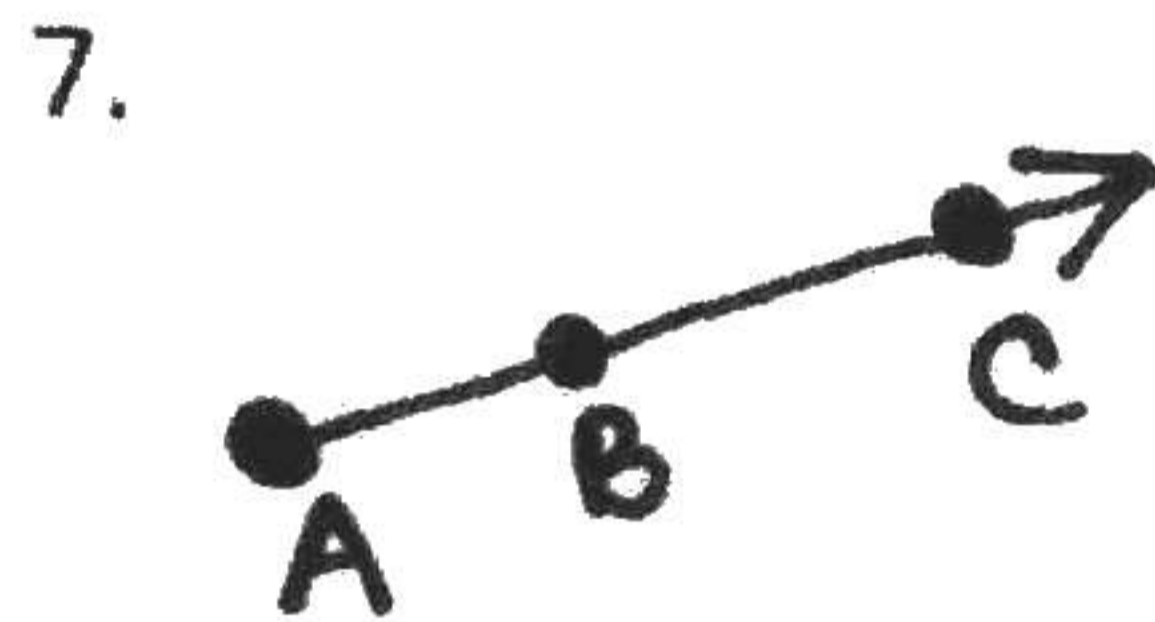
Name each line in two different ways.



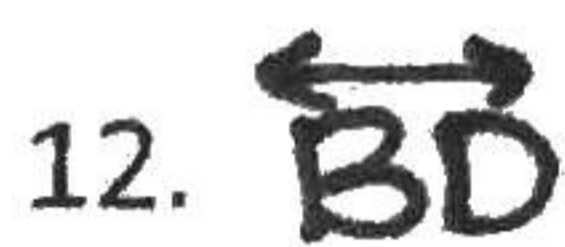
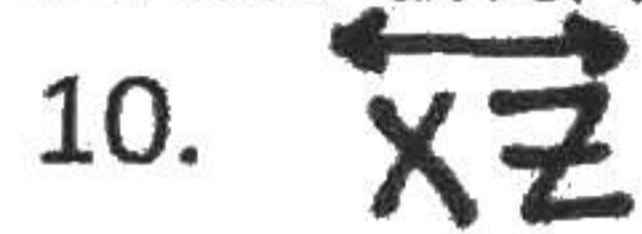
Name each line segment in two different ways.



Name each ray in two different ways.



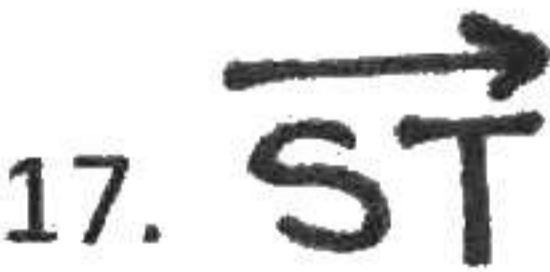
Draw and label each line.



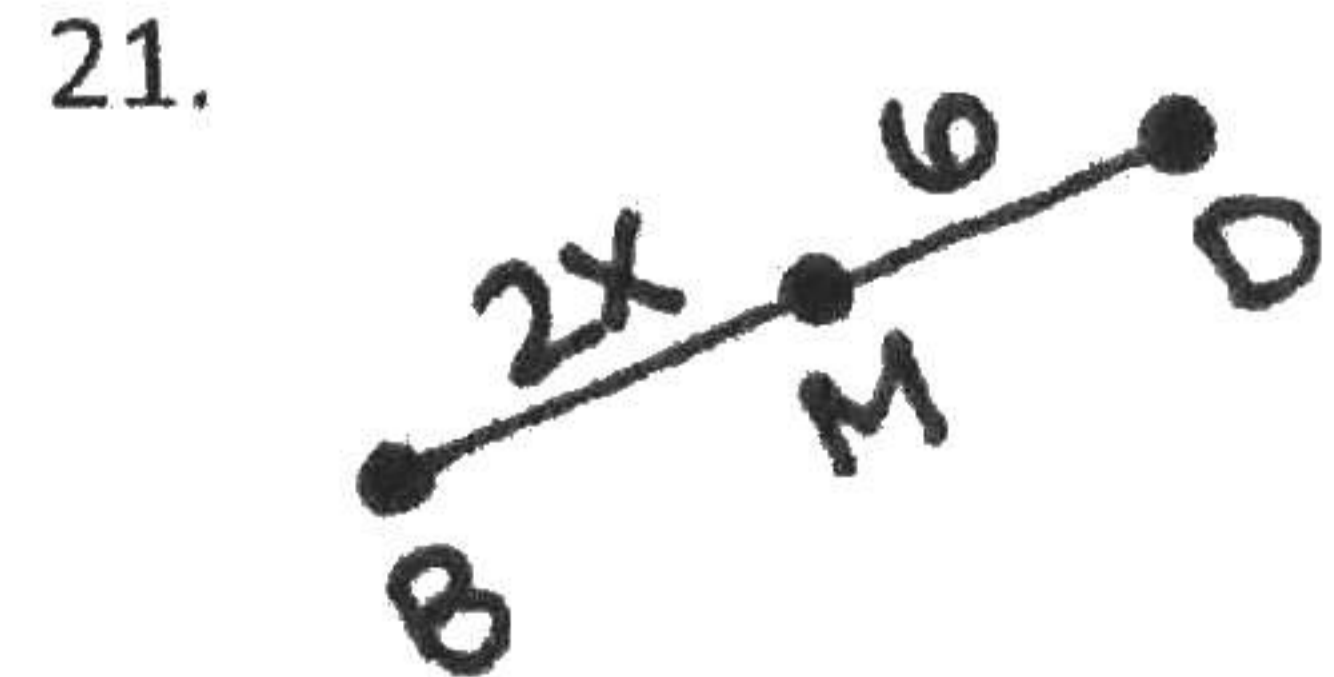
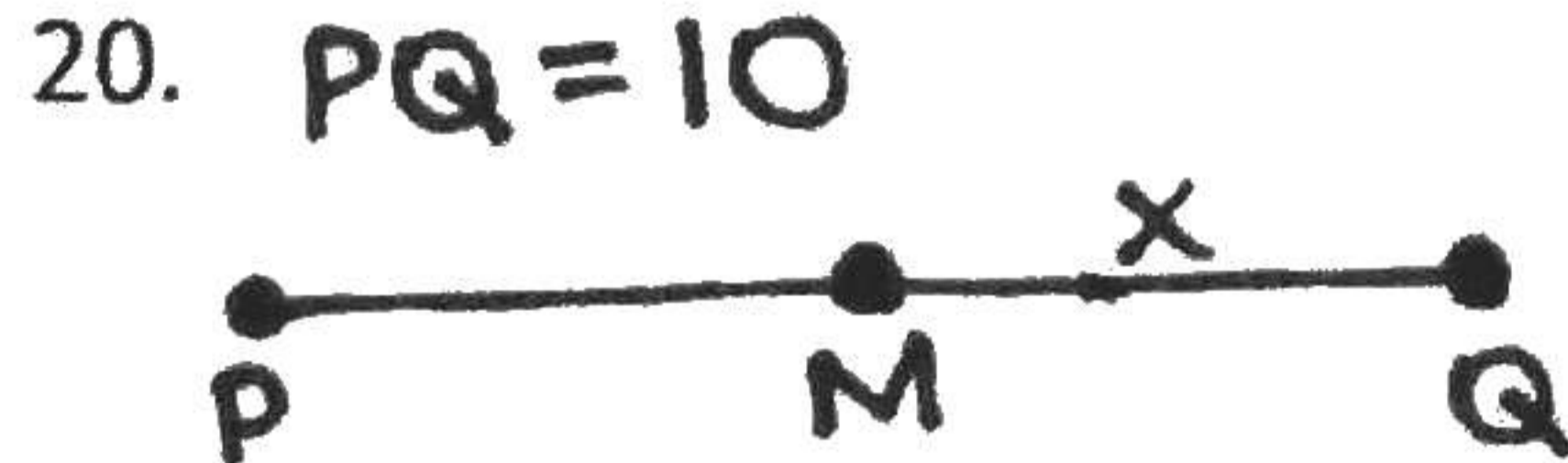
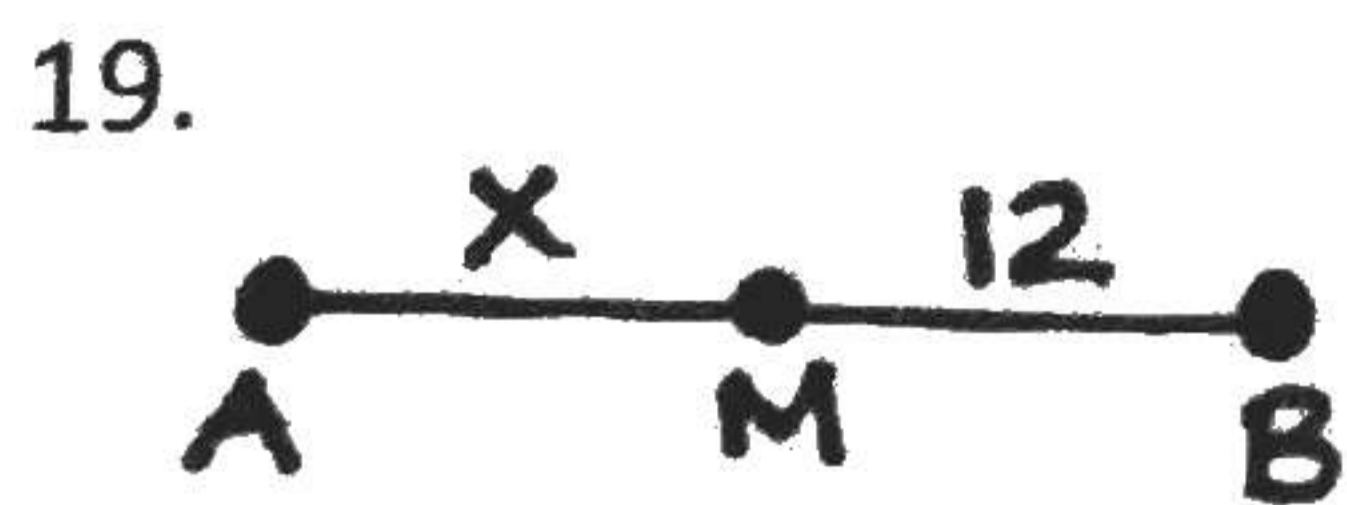
Draw and label each line segment.



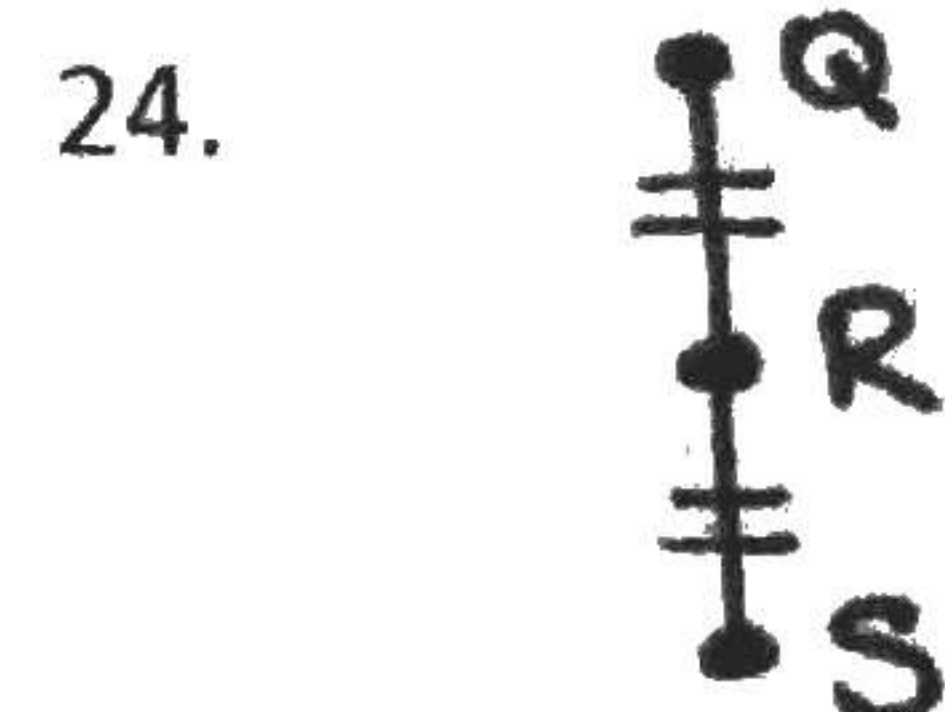
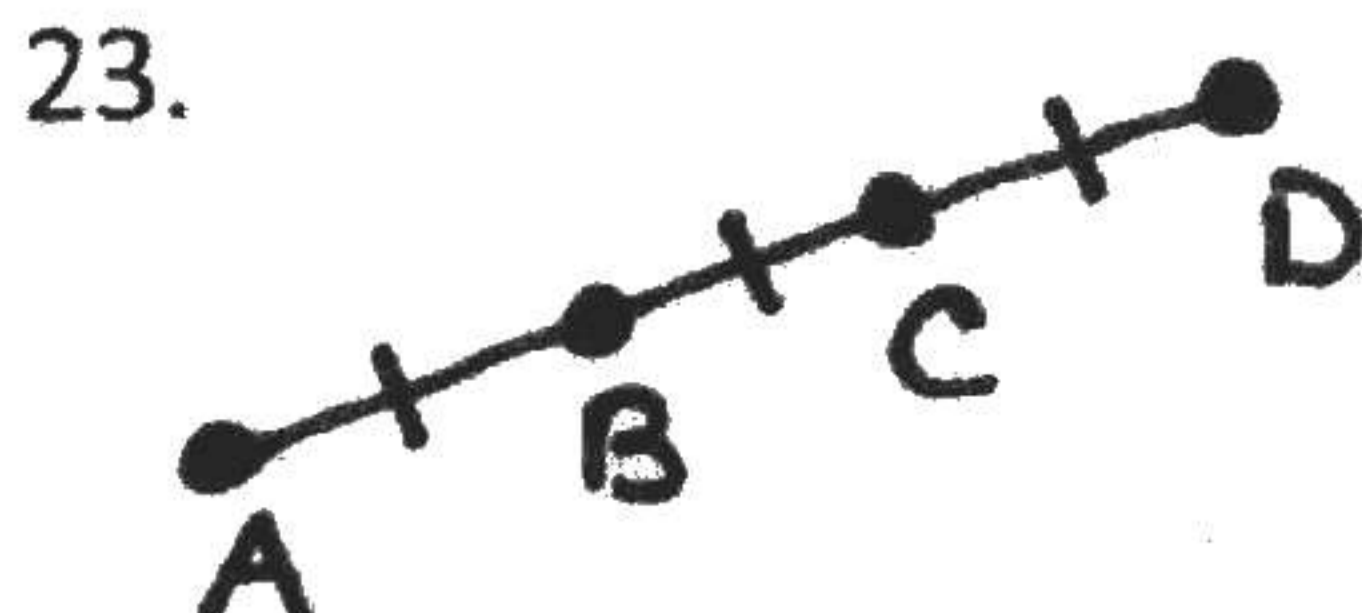
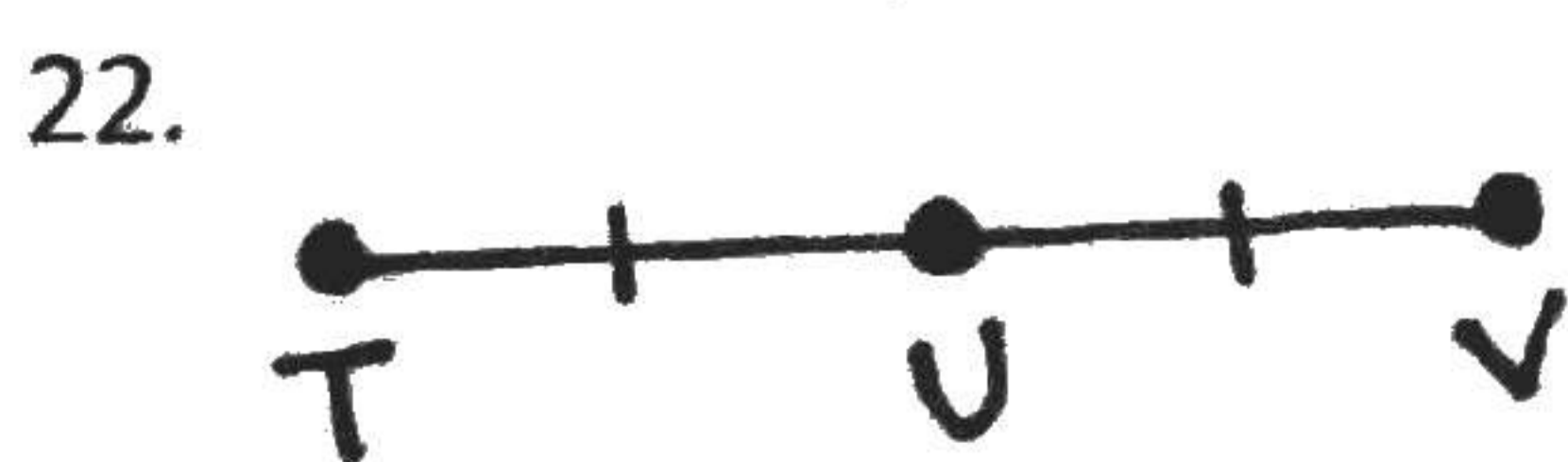
Draw and label each ray.



~~Name each line segment in two different ways.~~ Find x . M is the midpoint.



Name each midpoint and the segment it bisects.



Mark the figure with the given information.

25. $m\angle Q = m\angle S$
 $m\angle QRP = m\angle SPR$
 $PQ = RS$

26. $\angle B \cong \angle D$
 $\overline{AD} \cong \overline{BC}$

27. $\overline{MP} \cong \overline{PO} \cong \overline{OM}$
 $\overline{LP} \cong \overline{NO}$

Name each angle in three different ways.

28.

29.

30.

Draw and label each angle.

31. $\angle ABC$

32. $\angle FGH$

33. $\angle DEF$

Write down what you know from the markings.

34.

35.

36.

$\overline{PS} \cong$ _____
 $\angle PSQ \cong$ _____
 $\overline{PQ} \cong$ _____

$m\angle C =$ _____
 $m\angle D =$ _____
 $AB =$ _____

$\overline{AD} \cong$ _____
 $\overline{DE} \cong$ _____
 $\angle ADE \cong$ _____

37. Draw the pair of adjacent angles, $\angle XYZ$ and $\angle ZYP$.

Find the measure of $\angle 1$.

38.

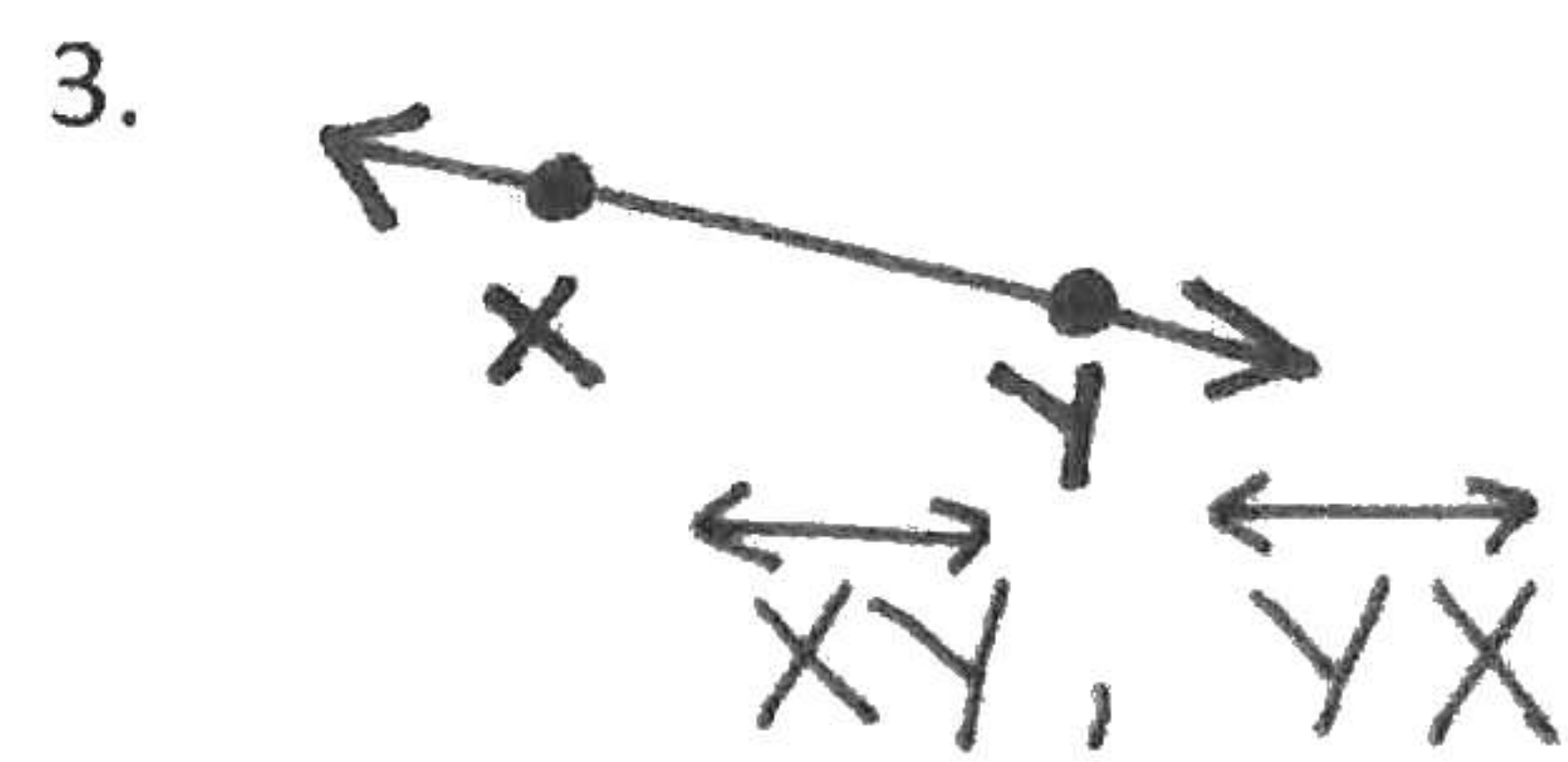
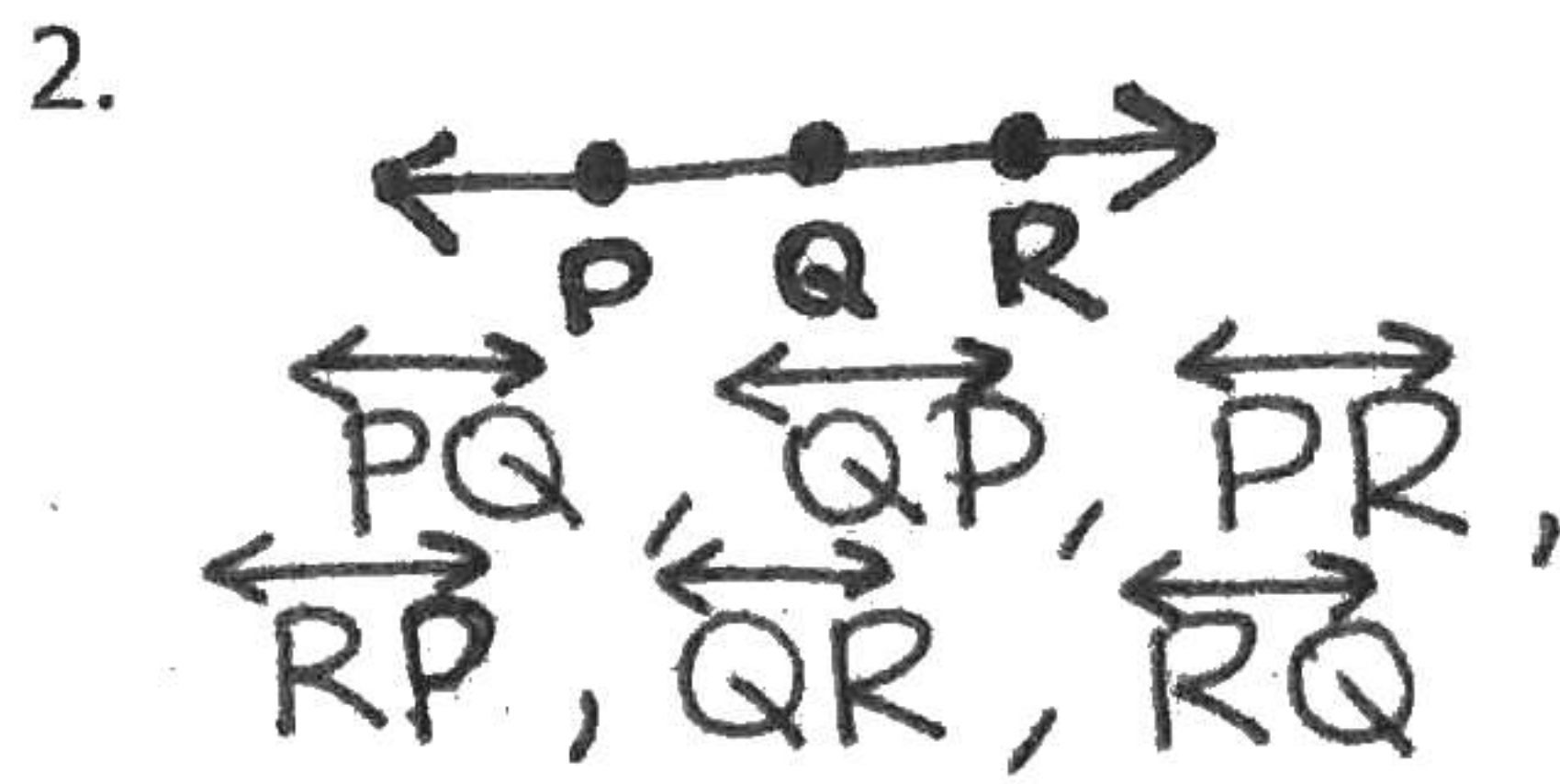
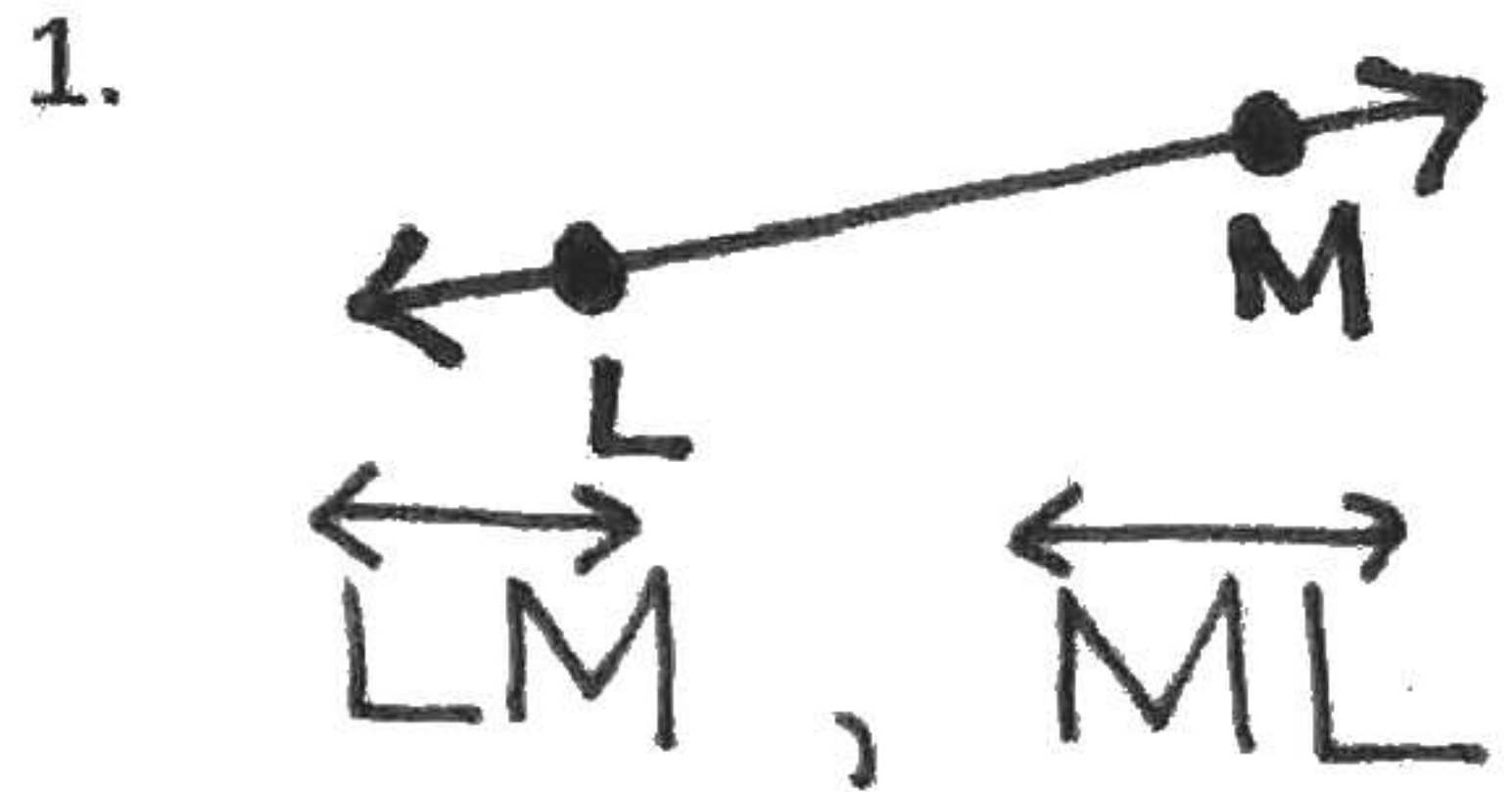
39. $m\angle ABC = 80^\circ$

40.

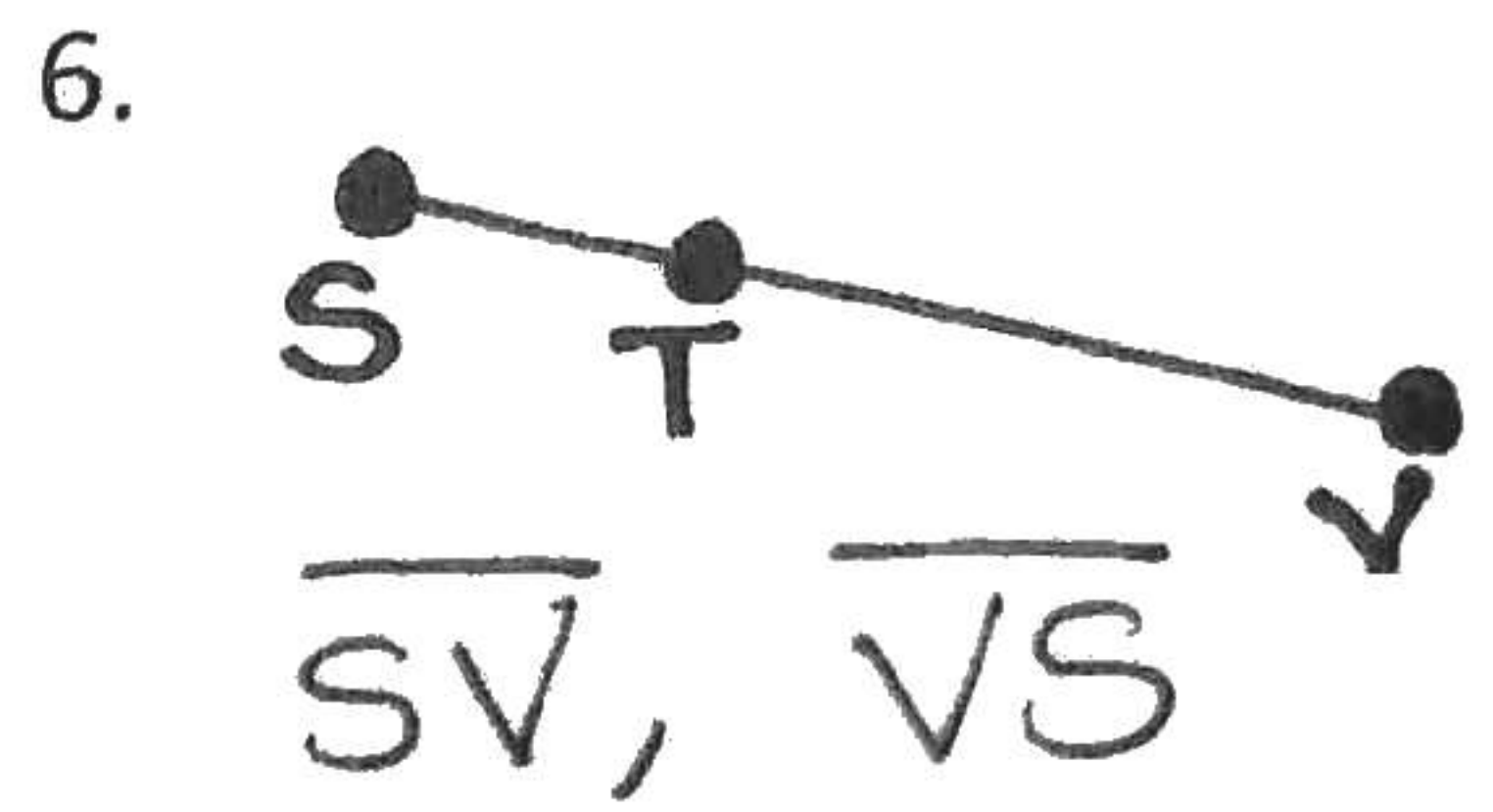
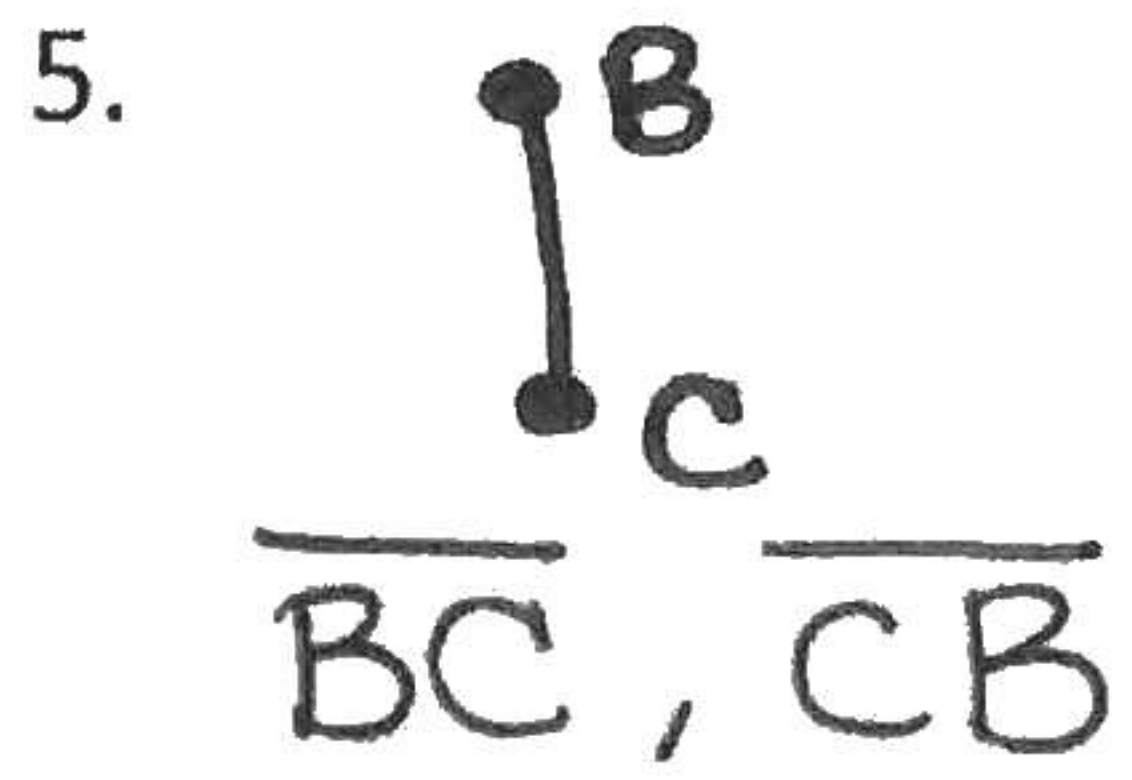
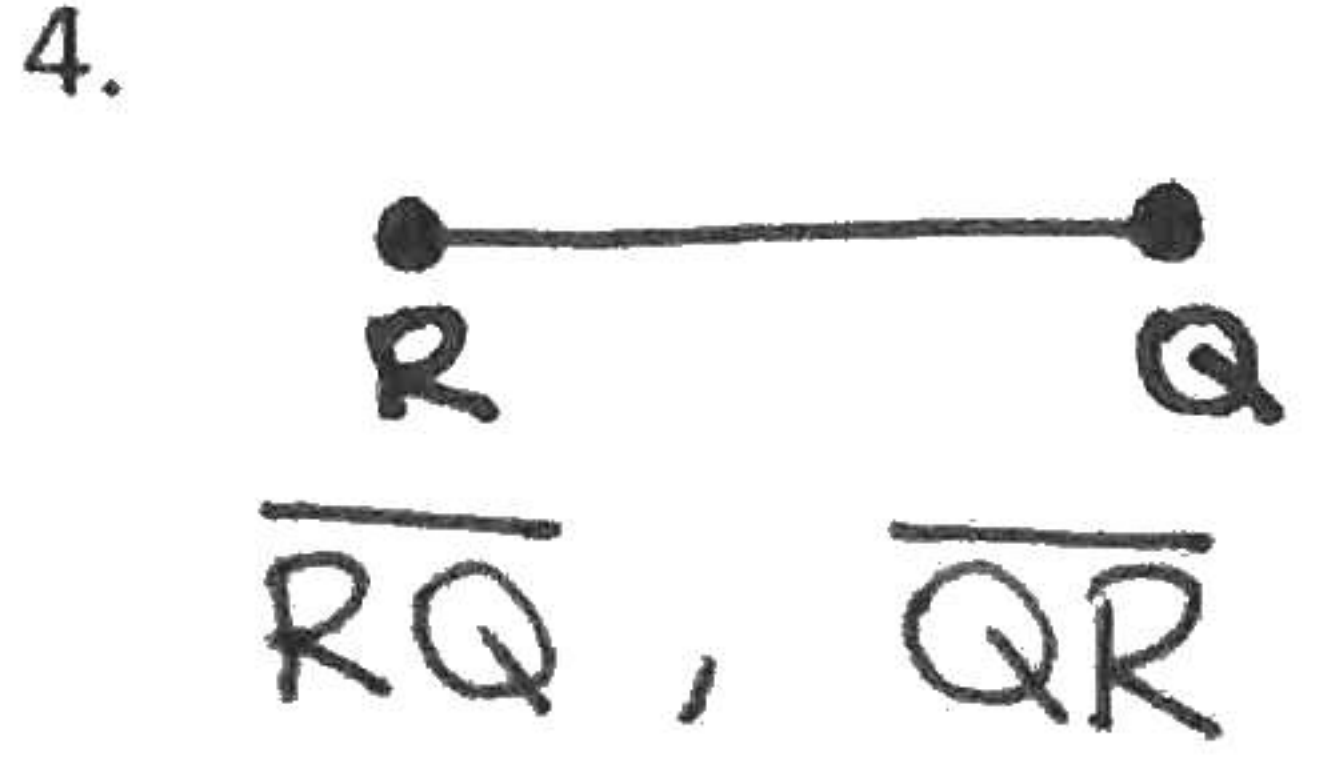
Basics of Geometry, Continued

Name: Key

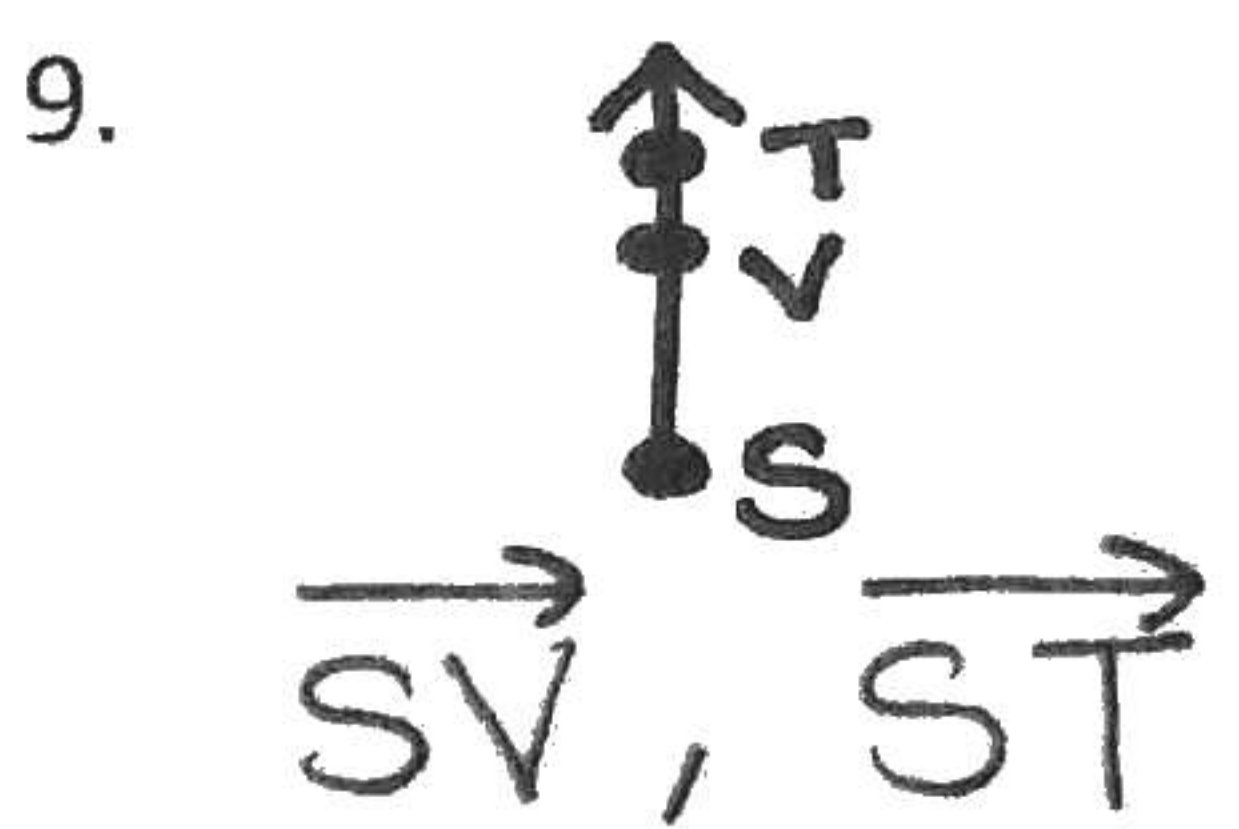
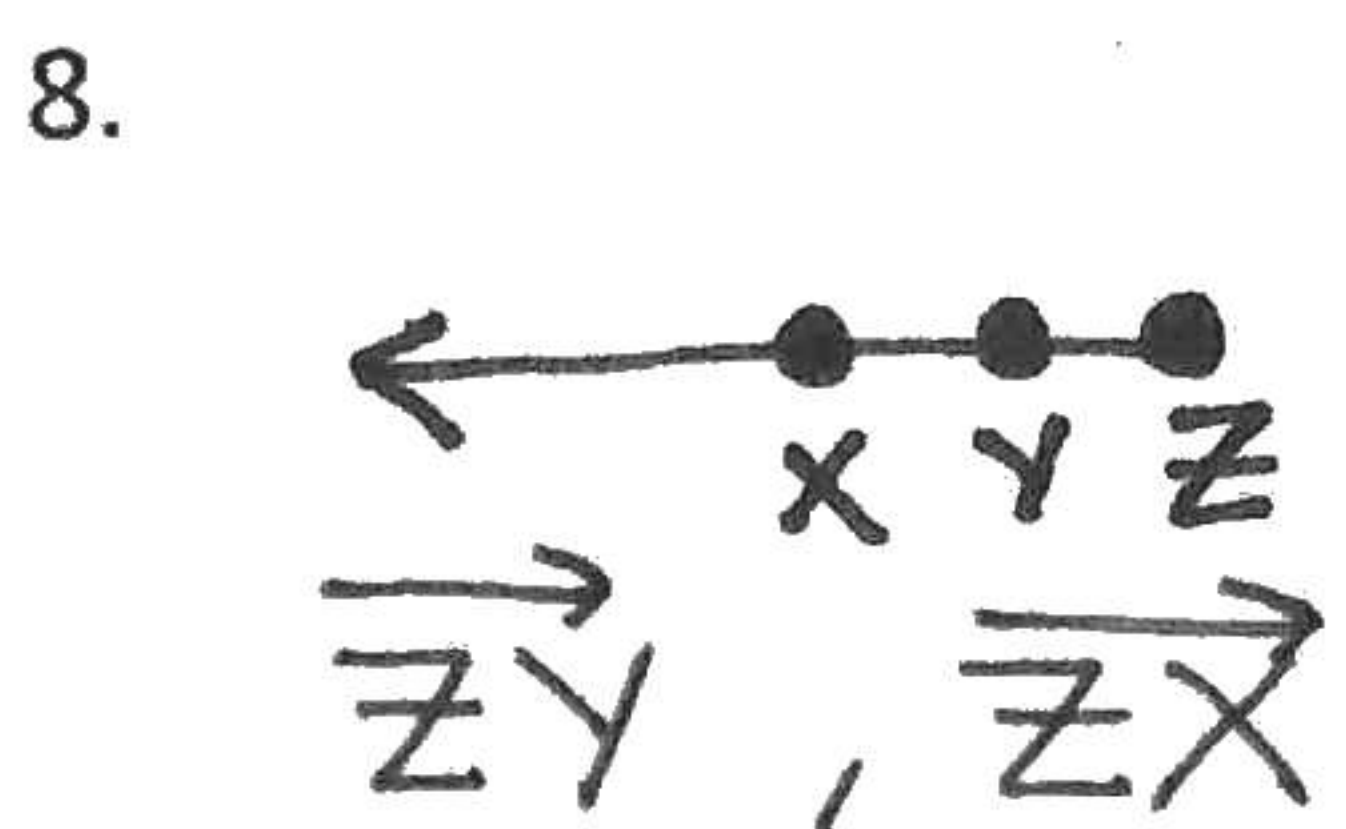
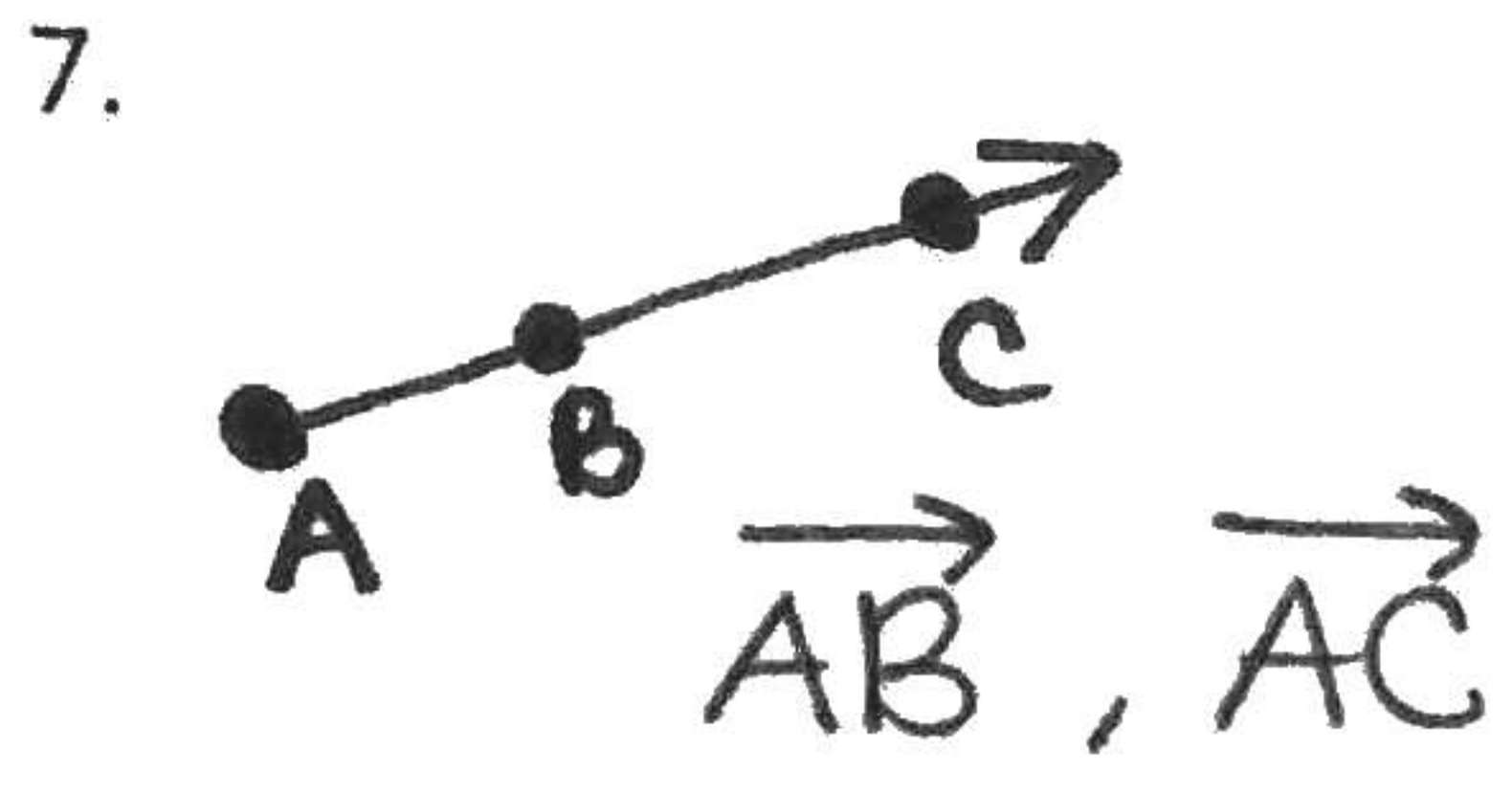
Name each line in two different ways.



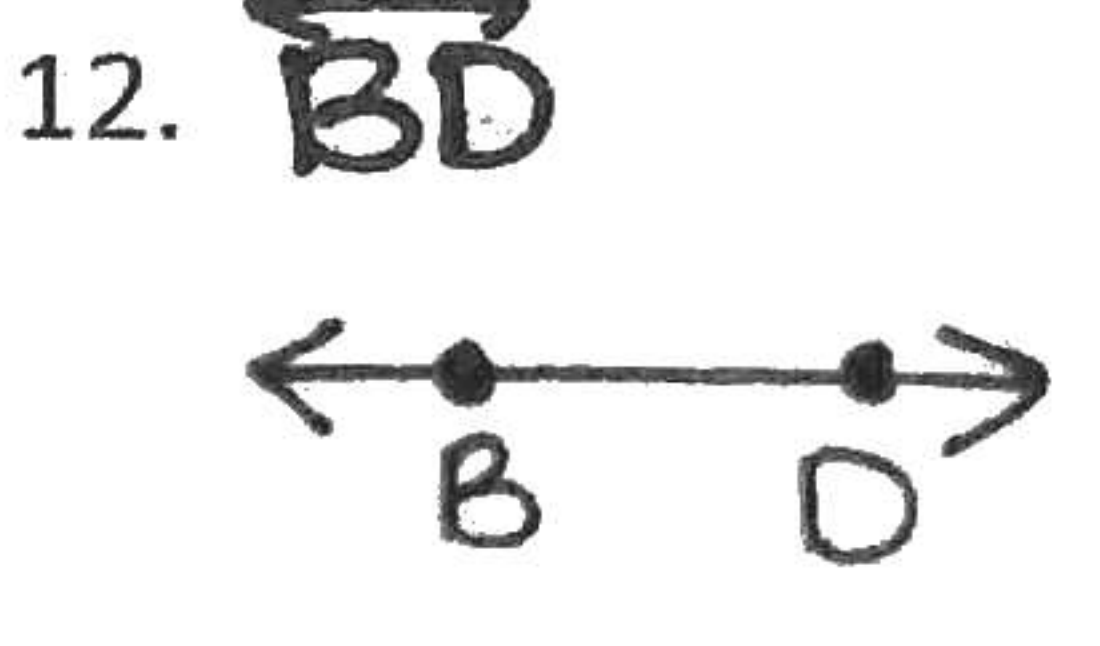
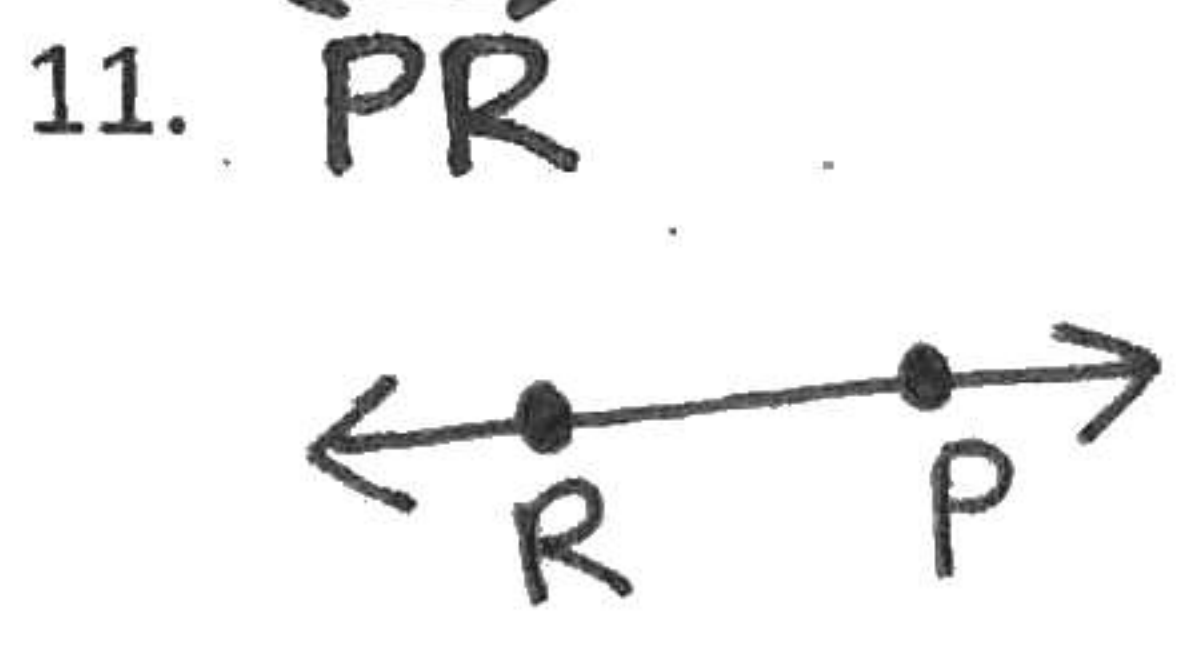
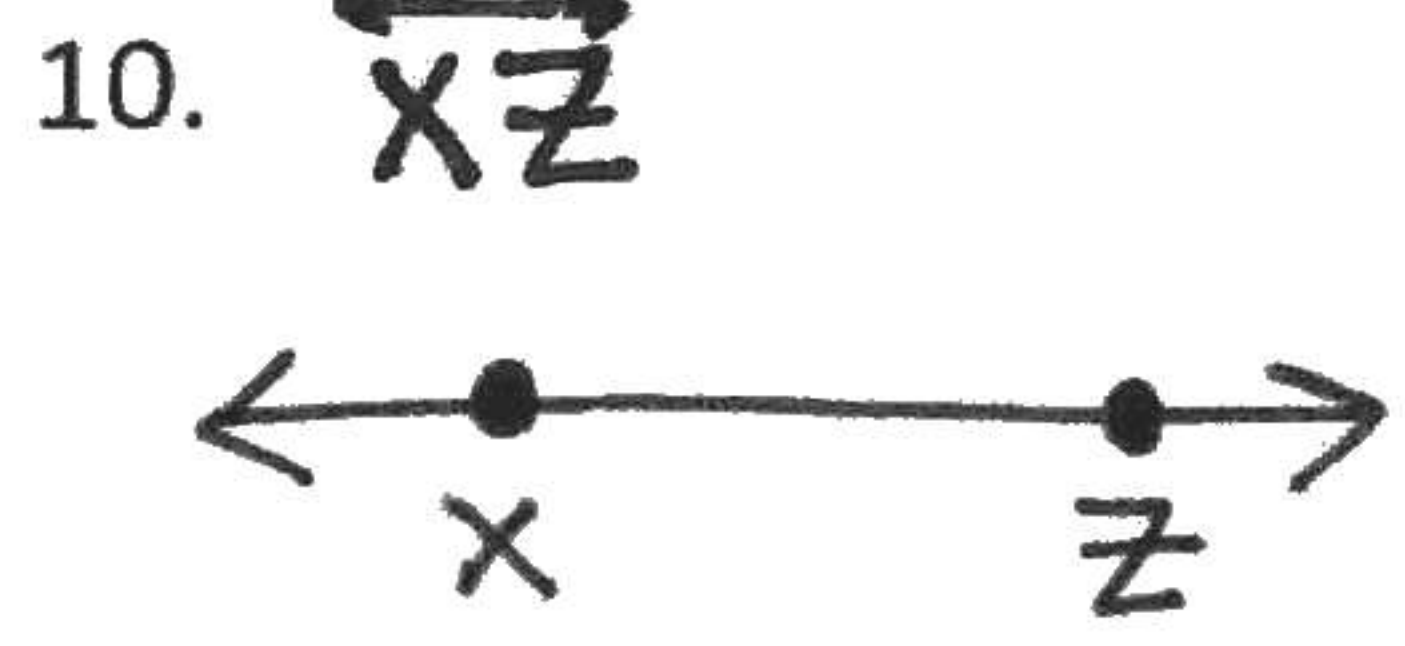
Name each line segment in two different ways.



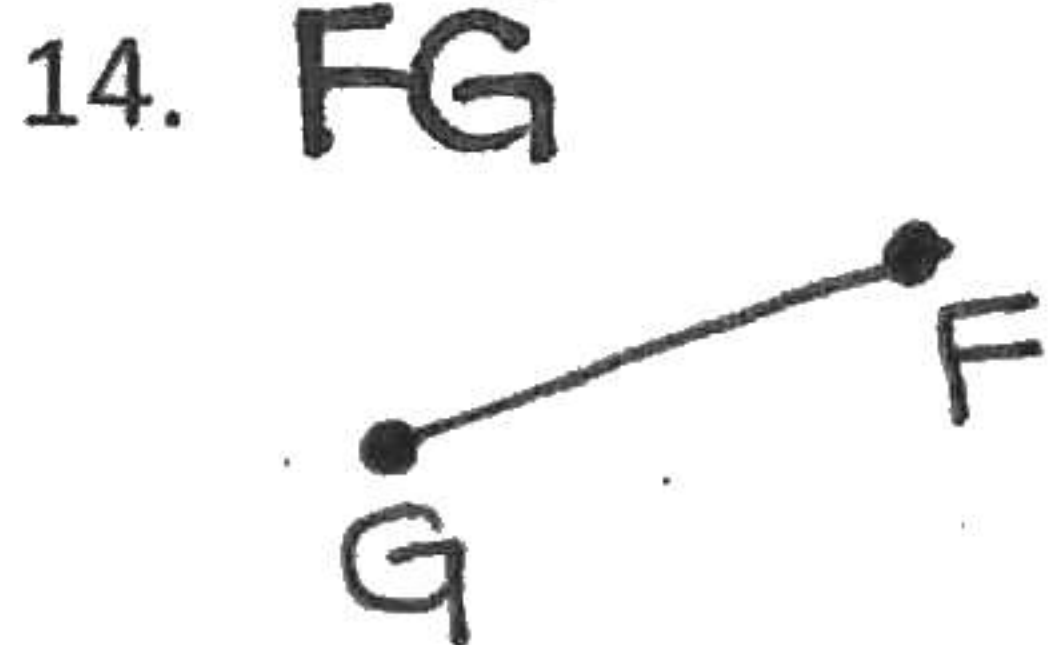
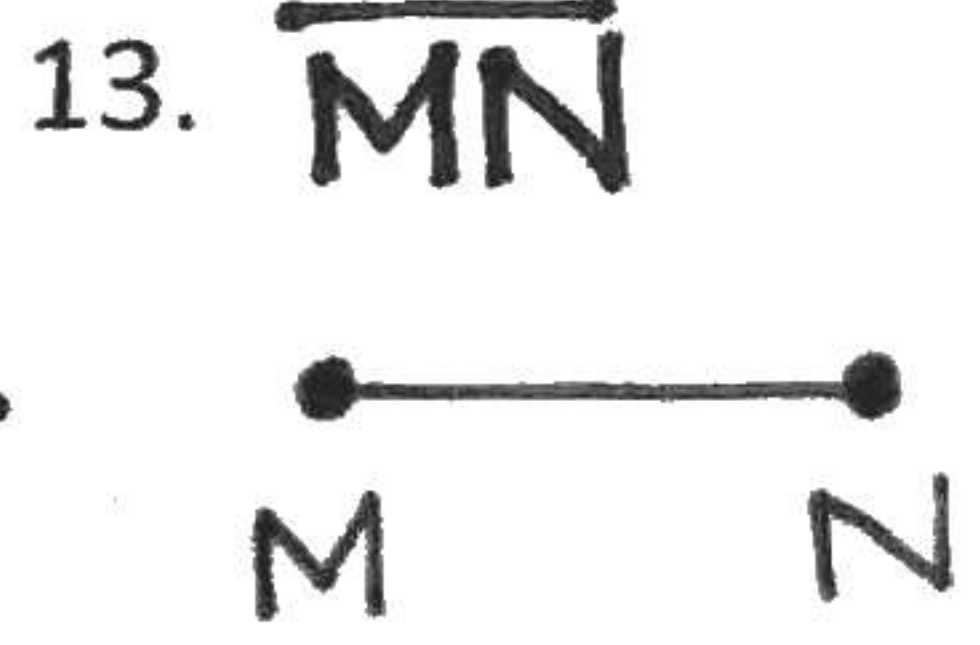
Name each ray in two different ways.



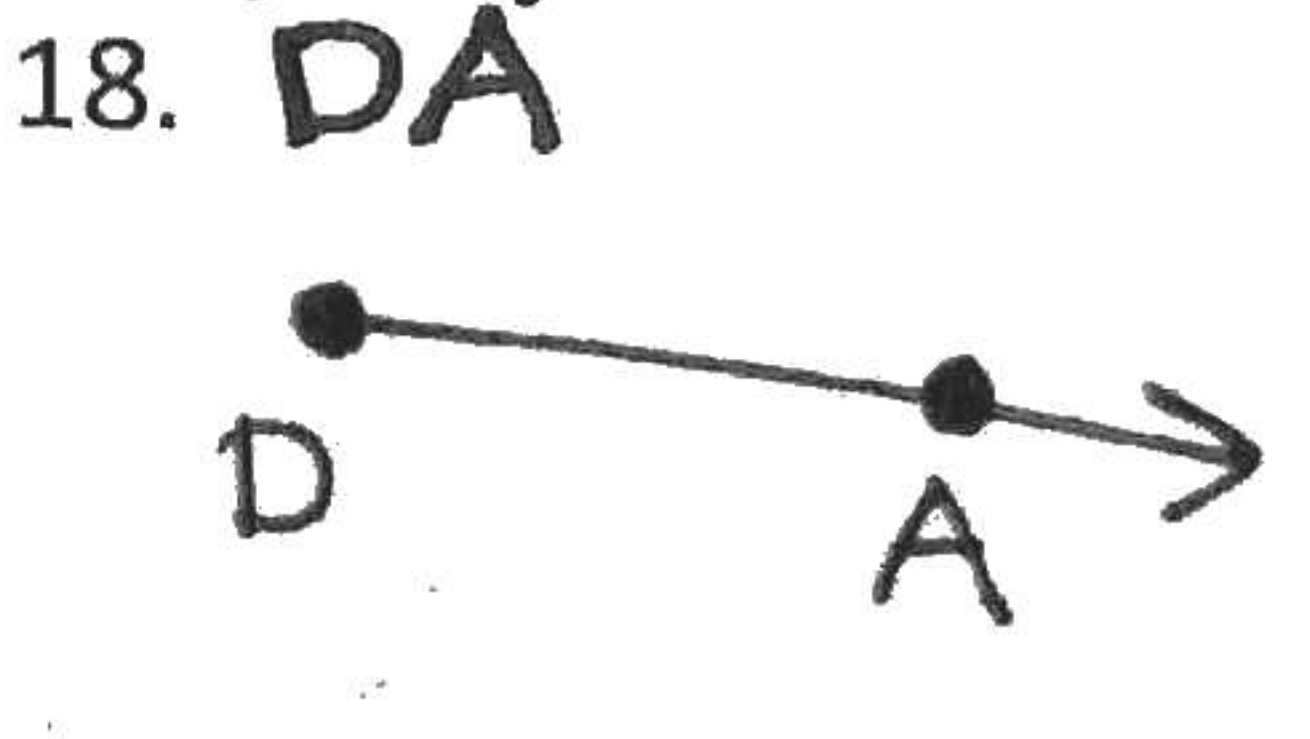
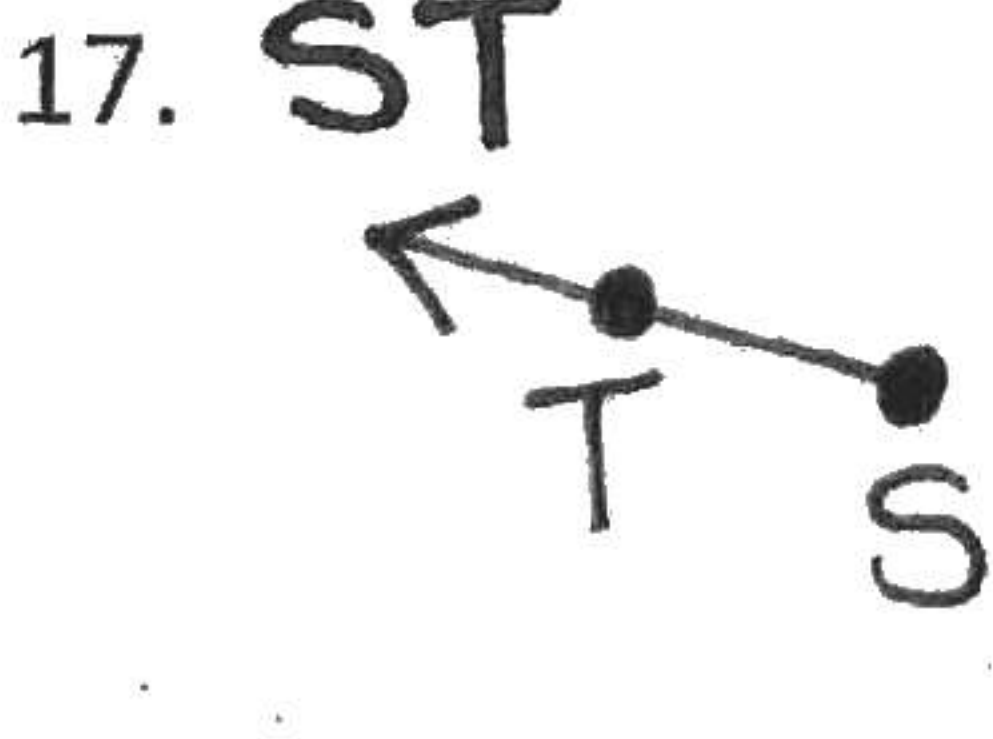
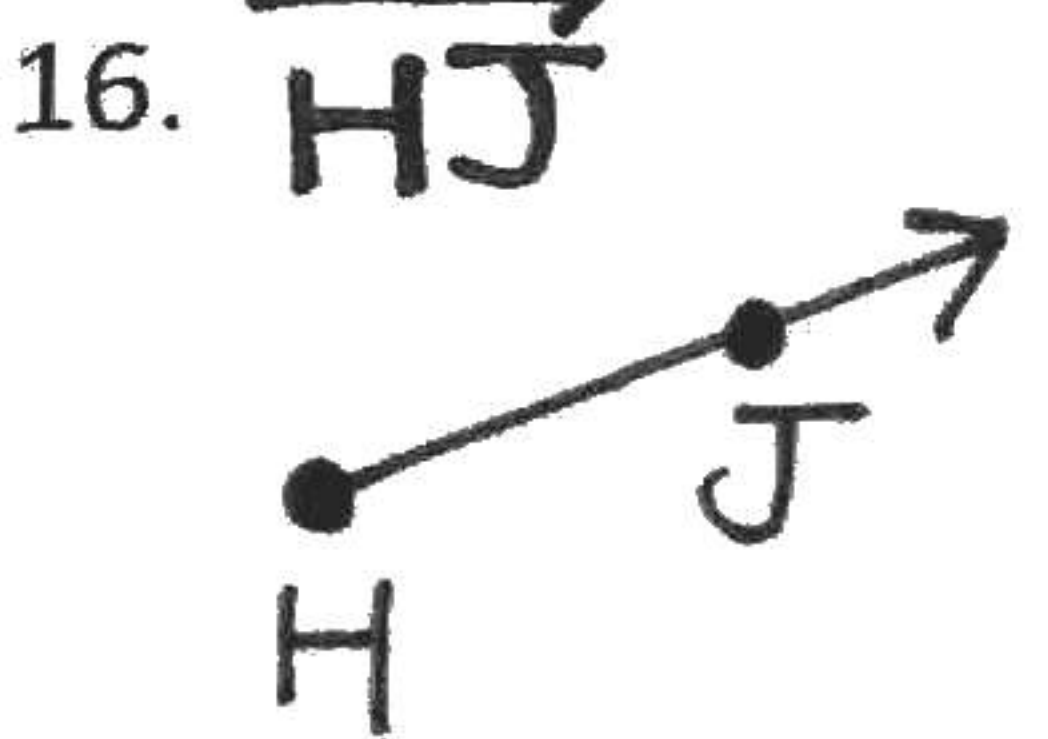
Draw and label each line.



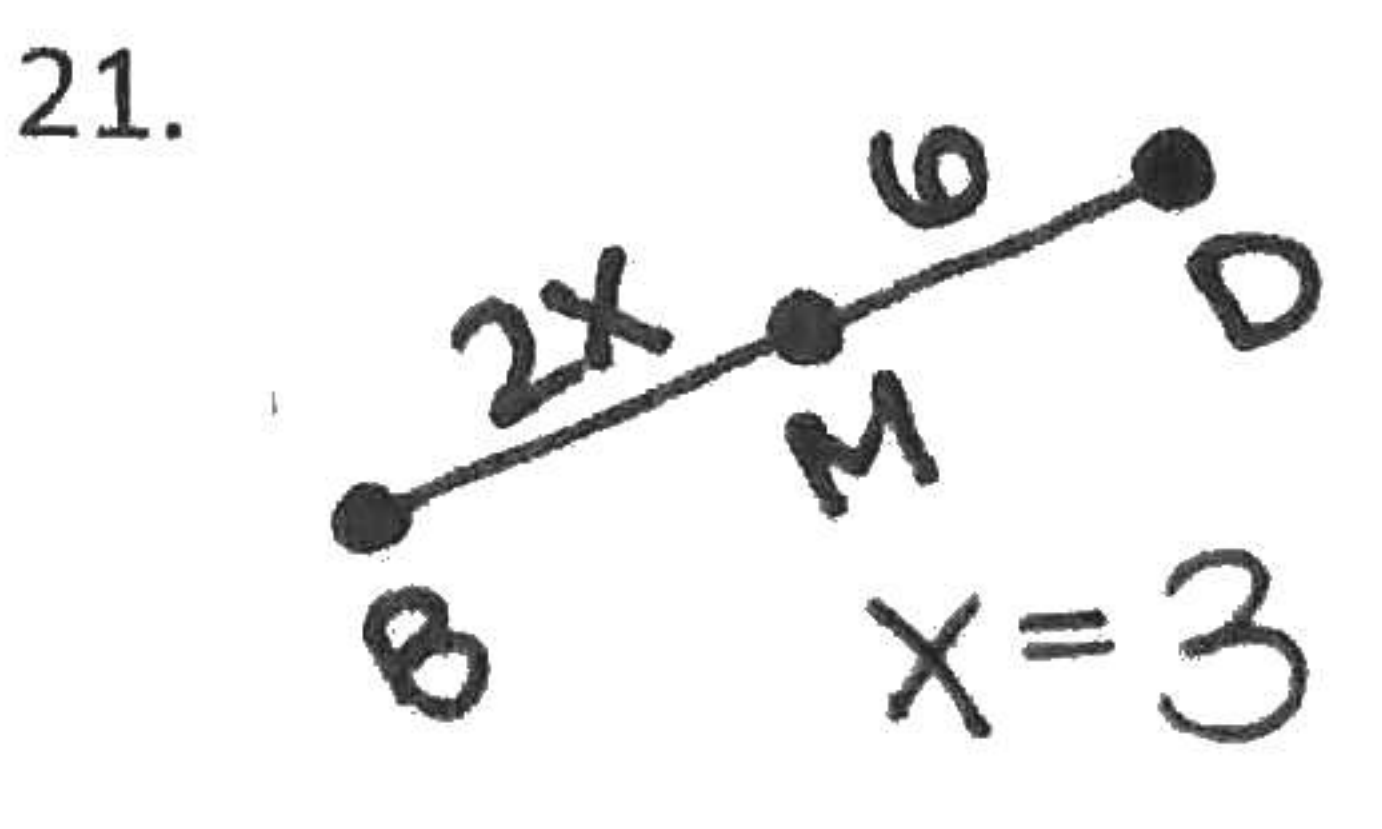
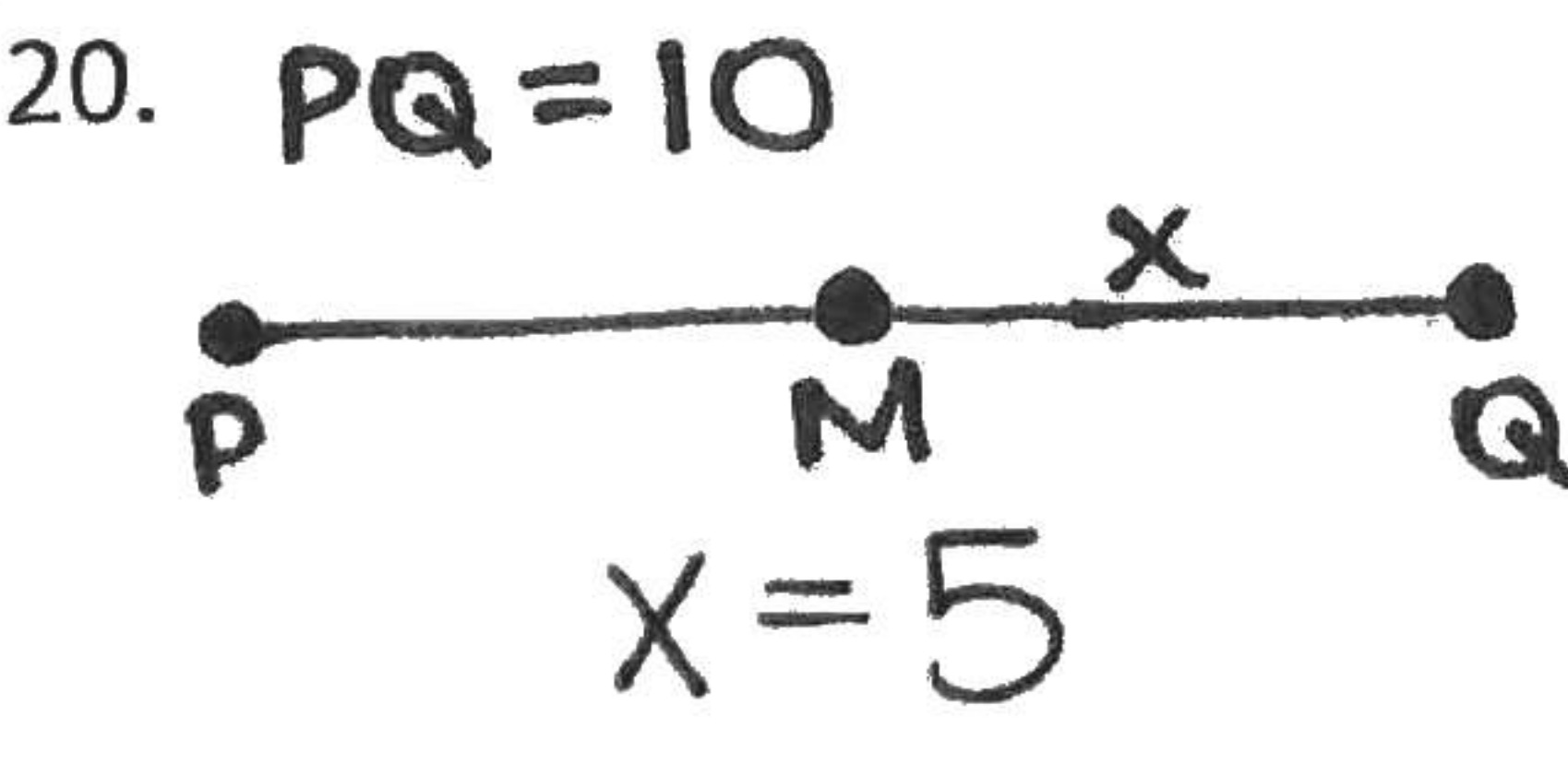
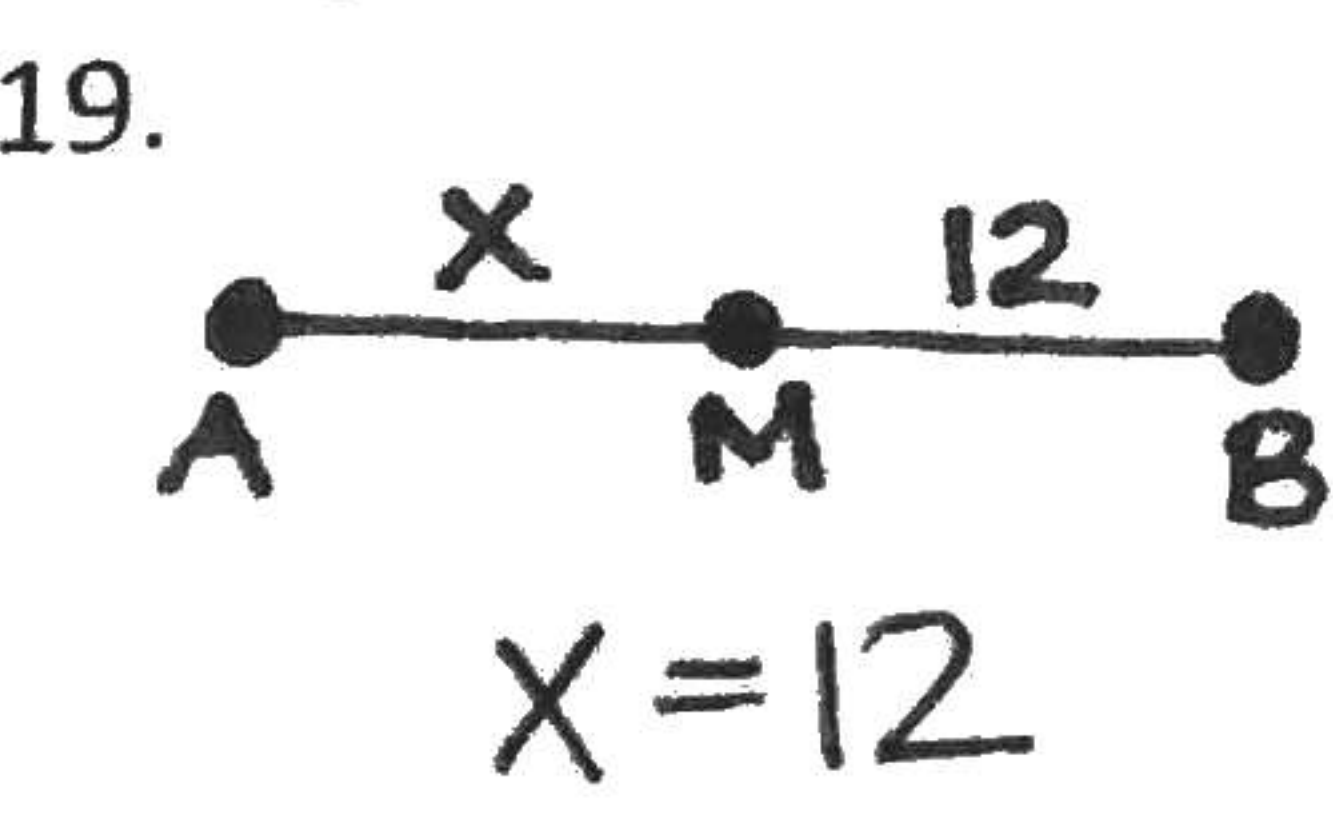
Draw and label each line segment.



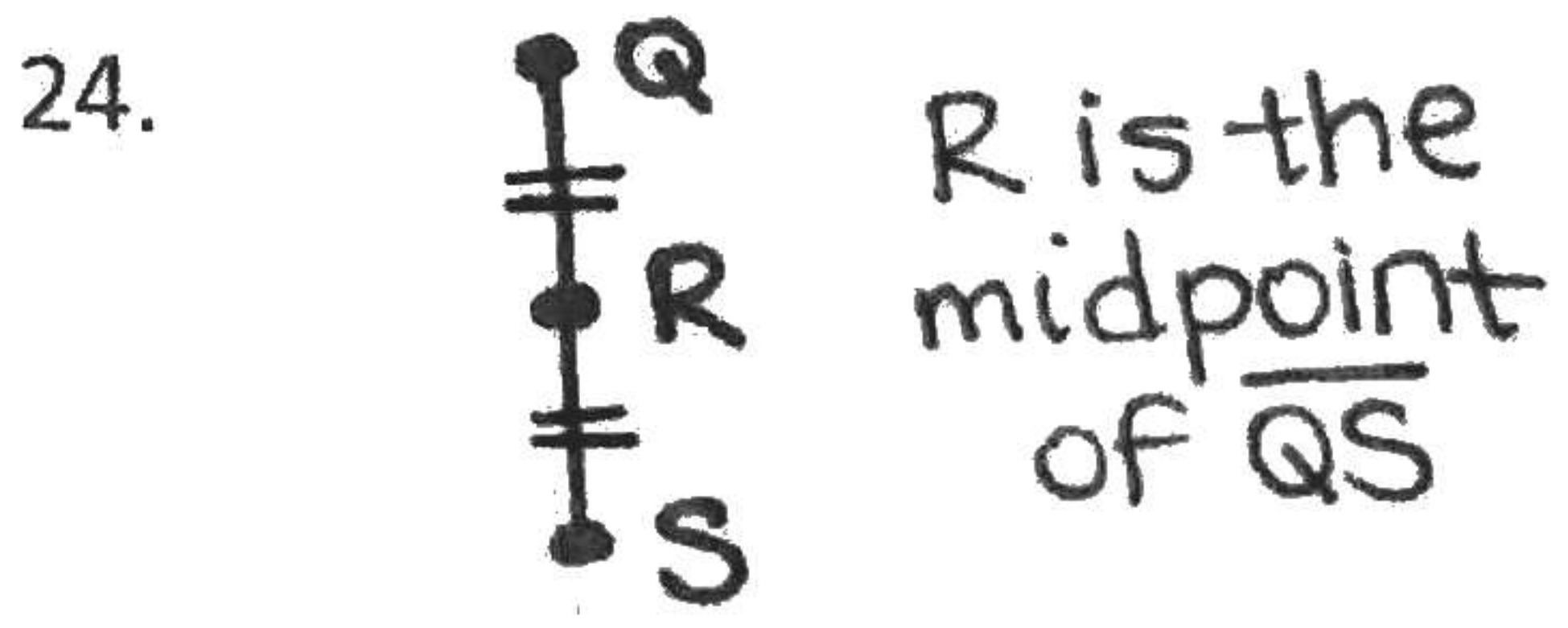
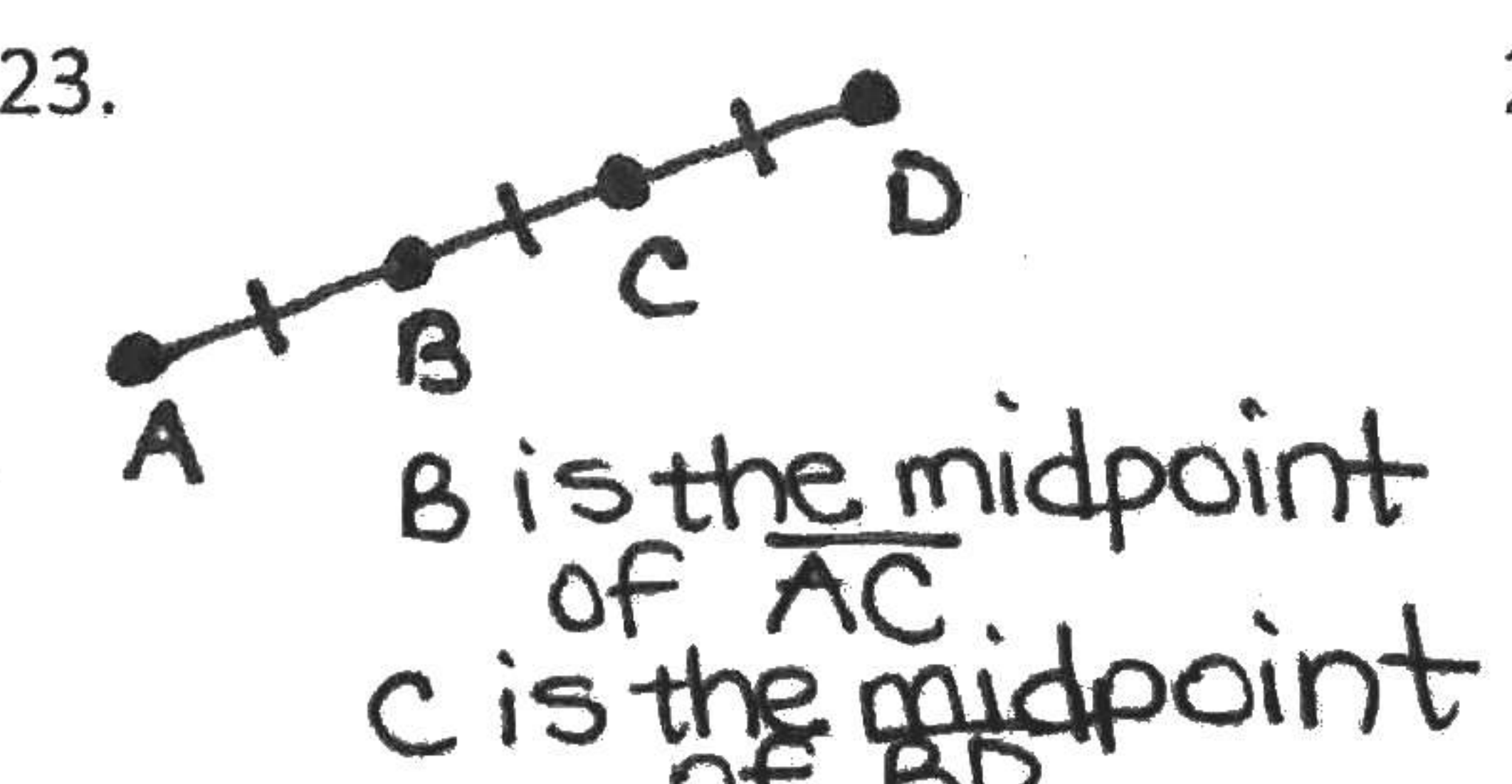
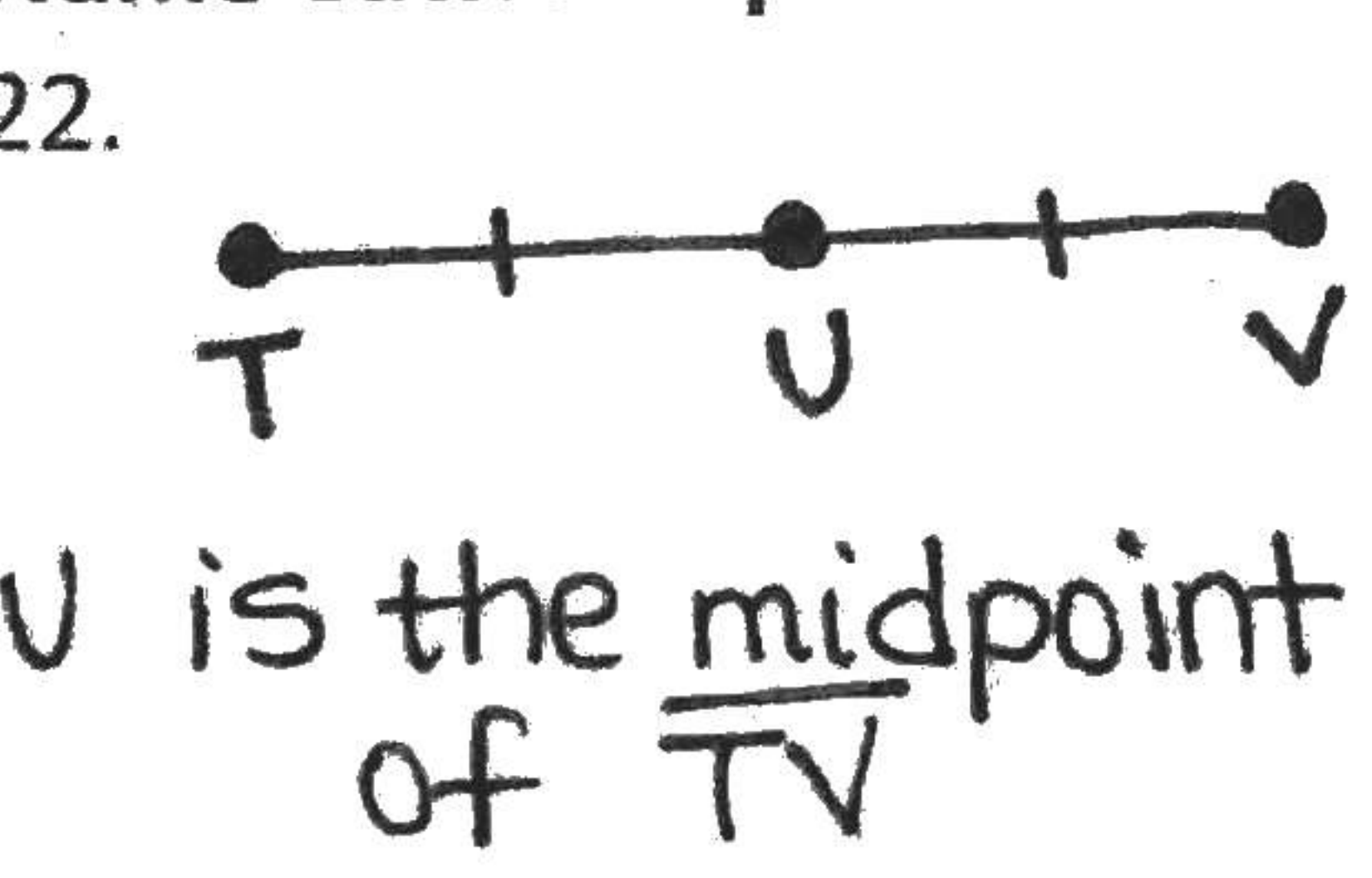
Draw and label each ray.



~~Name each line segment and label it.~~ Find x. M is the midpoint.



Name each midpoint and the segment it bisects.



*For #10-18, drawings will vary.

Mark the figure with the given information.

25. $m\angle Q = m\angle S$
 $m\angle QRP = m\angle SPR$
 $PQ = RS$

26. $\angle B \cong \angle D$
 $\overline{AD} \cong \overline{BC}$

27. $\overline{MP} \cong \overline{PO} \cong \overline{OM}$
 $\overline{LP} \cong \overline{NO}$

Name each angle in three different ways.

28. $\angle XYZ$
 $\angle ZYX$
 $\angle Y$

29. $\angle BCD$
 $\angle DCB$
 $\angle C$

30. $\angle TVX$
 $\angle XV T$
 $\angle V$

Draw and label each angle.

31. $\angle ABC$

32. $\angle FGH$

33. $\angle DEF$

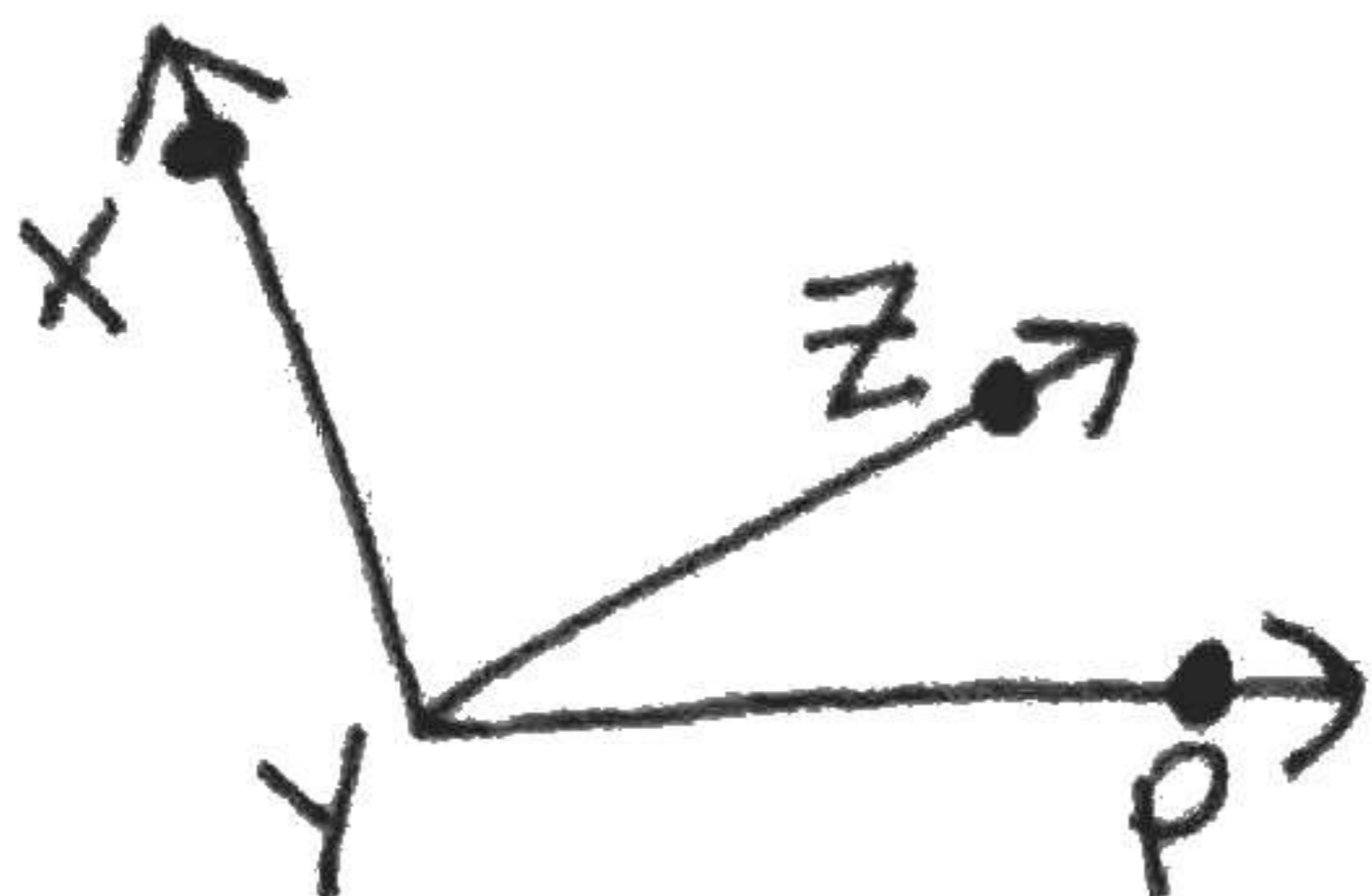
Write down what you know from the markings.

34. $\overline{PS} \cong \overline{QR}$
 $\angle PSQ \cong \angle RQS$
 $\overline{PQ} \cong \overline{SR}$

35. $m\angle C = m\angle F$
 $m\angle D = m\angle A$
 $AB = DE$

36. $\overline{AD} \cong \overline{BC}$
 $\overline{DE} \cong \overline{CE}$
 $\angle ADE \cong \angle BCE$

37. Draw the pair of adjacent angles, $\angle XYZ$ and $\angle ZYP$.



Find the measure of $\angle 1$.

38. 110°
 70°

39. $m\angle ABC = 80^\circ$
 32°
 48°

40. 36°
 54°