

# Practice 9-7

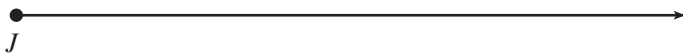
## Constructions

Construct each figure using the diagram at the right.

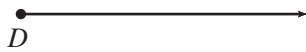
1.  $\overline{MP}$  congruent to  $\overline{BC}$



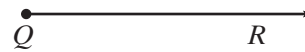
2.  $\overline{JK}$  twice as long as  $\overline{BC}$



3.  $\angle D$  congruent to  $\angle A$



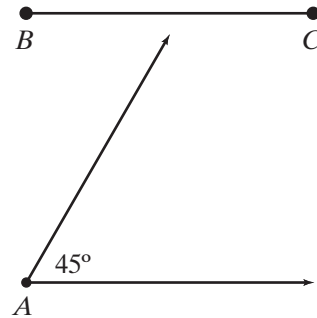
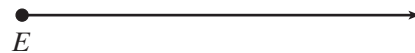
4.  $\angle PQR$  half the measure of  $\angle A$



5.  $\angle STU$  with measure  $135^\circ$



6.  $\overline{EF}$  half as long as  $\overline{BC}$



7. Construct  $\triangle WXY$  so that  $\angle W$  is congruent to  $\angle A$ ,  $\overline{WY}$  is congruent to  $\overline{BC}$ , and  $\angle Y$  is half the measure of  $\angle A$ .

8. What seems to be true about  $\angle X$  in  $\triangle WXY$  you constructed?

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