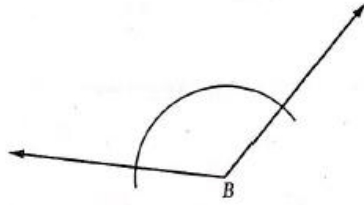
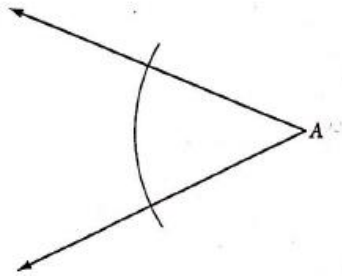


Section 3.1-3.2 worksheet

Name: _____

In exercises 1 - 5, use the segments and angles below. Construct the following problems using only a compass and straightedge.



1. Duplicate angle A

2. Duplicate Segment PQ

3. Construct $2PQ + RS$

4. Duplicate angle B

5. Duplicate the two angles so that the angles have the same vertex.

Section 3.1-3.2 worksheet

Name: _____

6. Construct an equilateral triangle with sides congruent to segment CD.



7. Construct the perpendicular bisector for the segment below.



8. Duplicate \overline{AB} . Then construct a segment with length $\frac{5}{4}AB$.



Section 3.1-3.2 worksheet

Name: _____

9. Construct a right triangle. Label it $\triangle ABC$ with right angle B. Construct median BD . Compare BD , AD , and CD .

10. Complete each statement as fully as possible.

- a. L is equidistant from vertices _____
- b. M is equidistant from vertices _____
- c. N is equidistant from vertices _____
- d. O is equidistant from vertices _____

