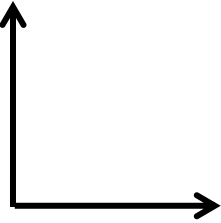


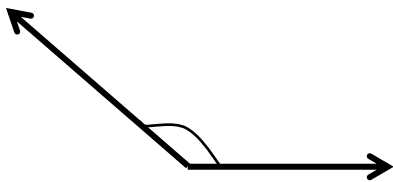
Constructions Assignment

Draw an angle bisector for each of the angles given below.

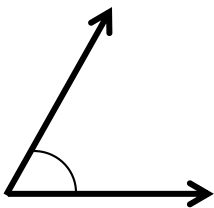
1.



2.



3.



4.



Constructions Assignment

Draw the segment bisector in each case.

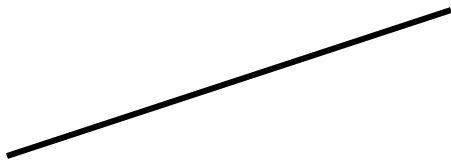
1.



2.



3.



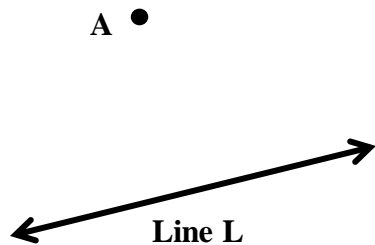
4.



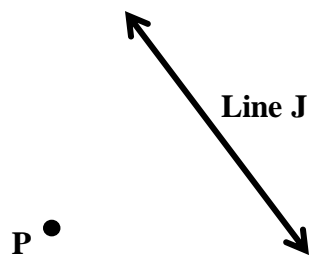
Constructions Assignment

Draw the perpendicular on the line mentioned.

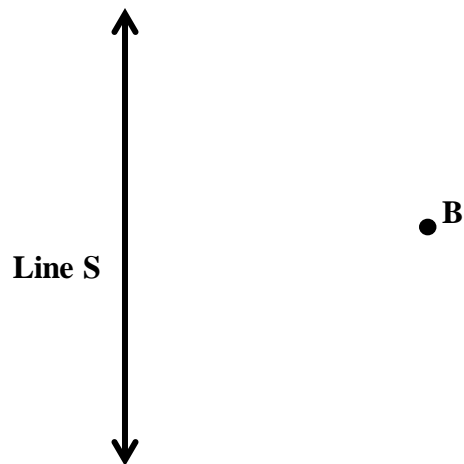
1. Draw a perpendicular on the line L from point A.



2. Draw a perpendicular on Line J from point P.



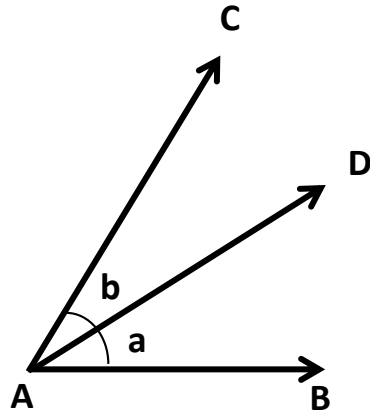
3. Draw a perpendicular on Line S from point B.



Constructions Assignment

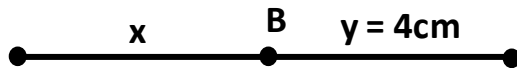
Solve the question for the unknown variable in each case.

1. What will be the value of a and b if the ray AD is an angle bisector of the angle $CAB = 70^\circ$?



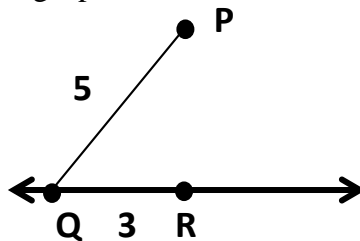
$a =$ _____ ; $b =$ _____

2. What is the value of x if point B is a segment bisector?



$x =$ _____

3. What will be the length of a perpendicular PR drawn from point P on the line QR such that the perpendicular passes through point R ?

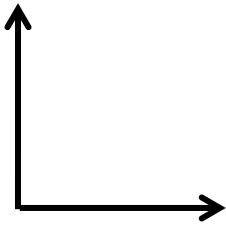


$PR =$ _____

Constructions Assignment

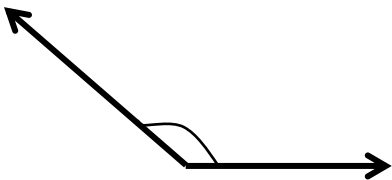
Draw an angle bisector for each of the angles given below.

1.



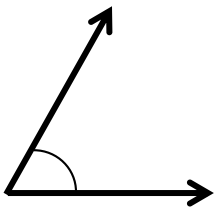
(Draw using a protractor)

2.



(Draw using a protractor)

3.



(Draw using a protractor)

4.



(Draw using a protractor)

Constructions Assignment

Draw the segment bisector in each case.

1.



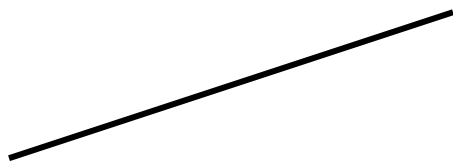
(Draw using a protractor)

2.



(Draw using a protractor)

3.



(Draw using a protractor)

4.

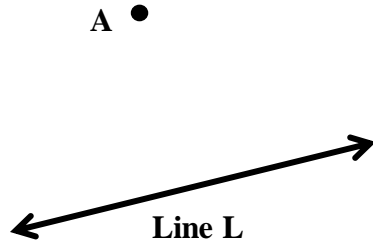


(Draw using a protractor)

Constructions Assignment

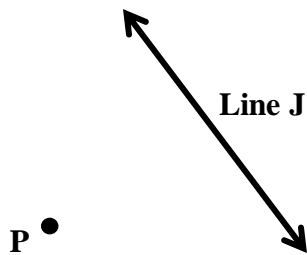
Draw the perpendicular on the line mentioned.

1. Draw a perpendicular on the line L from point A.



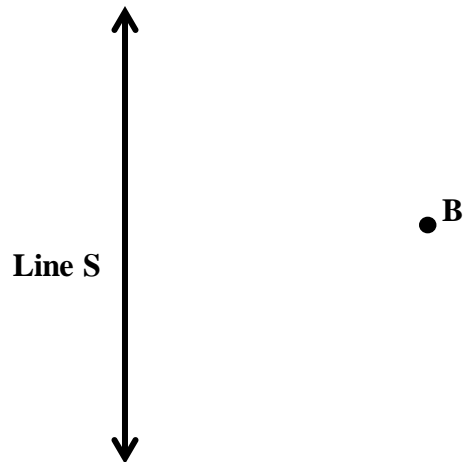
(Draw using a protractor)

2. Draw a perpendicular on Line J from point P.



(Draw using a protractor)

3. Draw a perpendicular on Line S from point B.

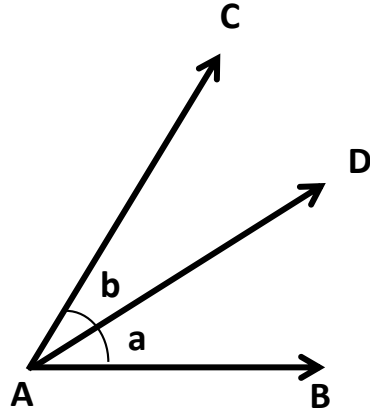


(Draw using a protractor)

Constructions Assignment

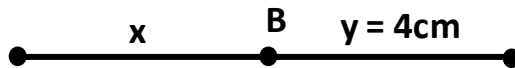
Solve the question for the unknown variable in each case.

4. What will be the value of a and b if the ray AD is an angle bisector of the angle $CAB = 70^\circ$?



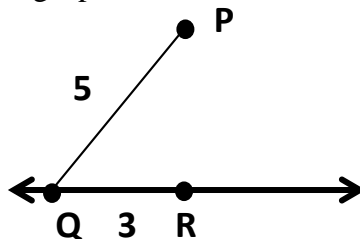
$a = 35^\circ$; $b = 35^\circ$

5. What is the value of x if point B is a segment bisector?



$x = 4\text{cm}$

6. What will be the length of a perpendicular PR drawn from point P on the line QR such that the perpendicular passes through point R ?



$PR = 4$