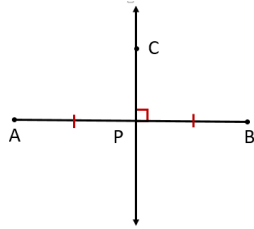


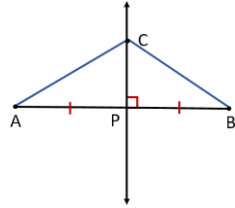
Perpendicular Bisectors

A perpendicular bisector of a line segment is a _____ that is perpendicular to the segment at its _____.



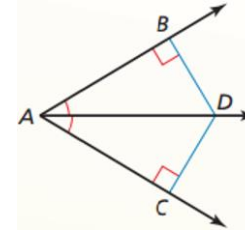
Perpendicular Bisector Theorem

In a plane, if a point lies on the perpendicular bisector of a segment, then it is _____ from the endpoints of the segment.



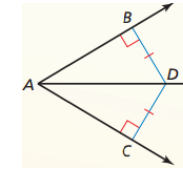
Angle Bisector Theorem

If a point lies on the _____ of an angle, then it is _____ from the two sides of the angle.

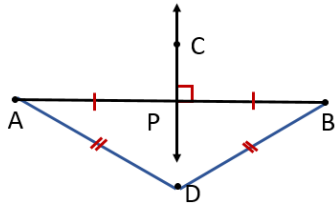


Converse of Angle Bisector Thm

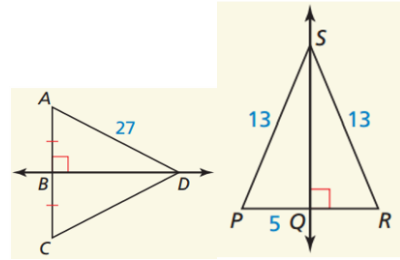
If a point lies in the interior of an angle and is _____ from the two sides of the angle, then it lies on the _____ of the angle.



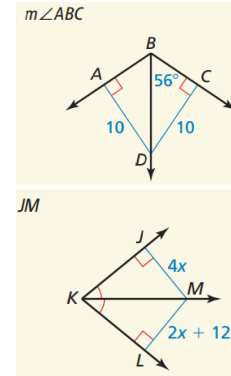
Converse of \perp Bisector Theorem



Find CD and PR.



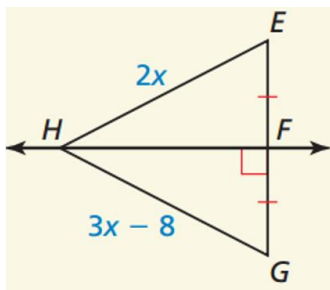
Find each measure.



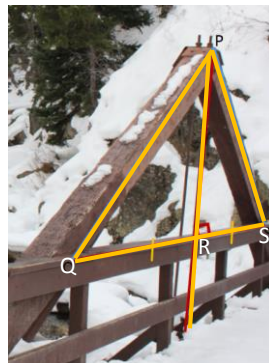
A parachutist lands at point P in TD Ameritrade Park. If the parachutist wants to leave the field, which is closer the first or the third base line?



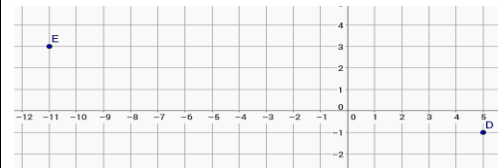
Find GH.



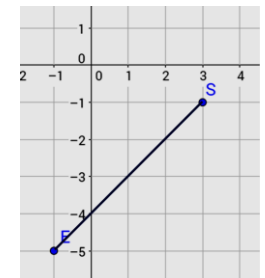
What can you conclude?



Write the equation of the \perp bisector of the segment with endpoints D(5, -1) and E(-11, 3).



Write an equation of the \perp bisector of the segment with endpoints (-1, -5) and (3, -1).



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Bisector

Perpendicular
Bisector

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