

Name _____

Date _____

Making Perpendicular and Parallel Lines - Step-by-Step Lesson

Draw a perpendicular line to point P

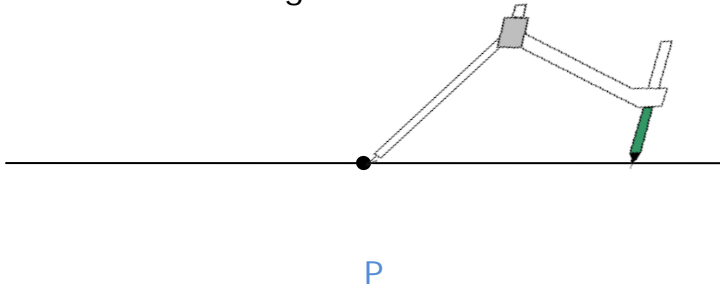


Explanation:

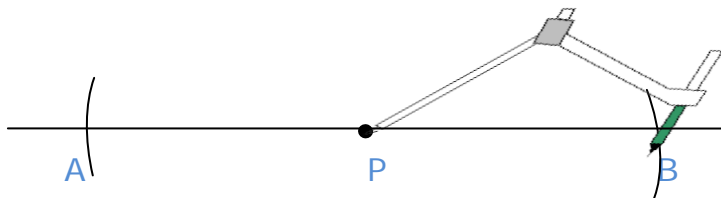
Start with a line and point P on that line. Just as we given.



1. Place the compass point on the point and set it to a width that is about 2/3 of the remaining line.



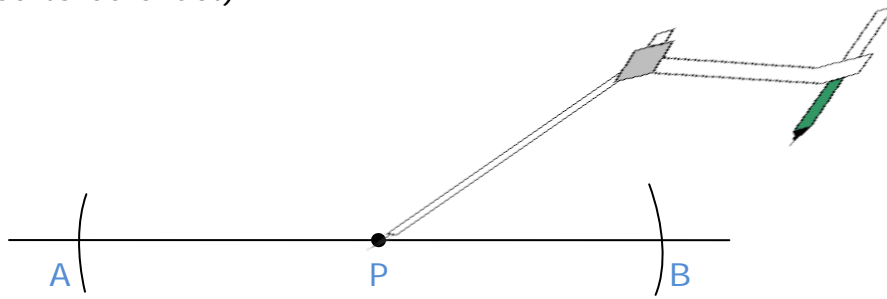
2. Without changing the compass width, mark a short arc on the line at each side of the point P. Label the points you have created. Here we name them points A and B. Both points are an equal distance from P.



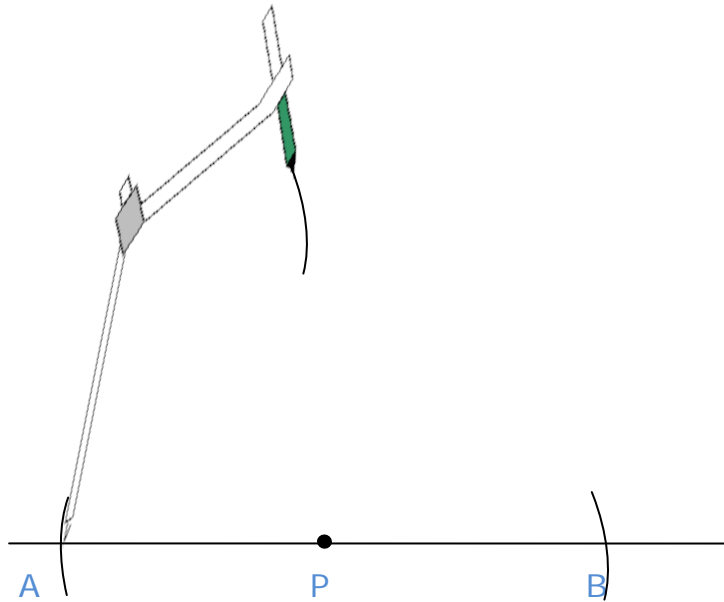
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3. Change the compass width to almost double its current width (doesn't need to be exact).



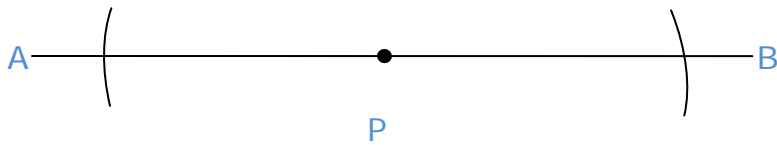
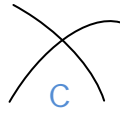
4. From A, mark off a short arc above P.



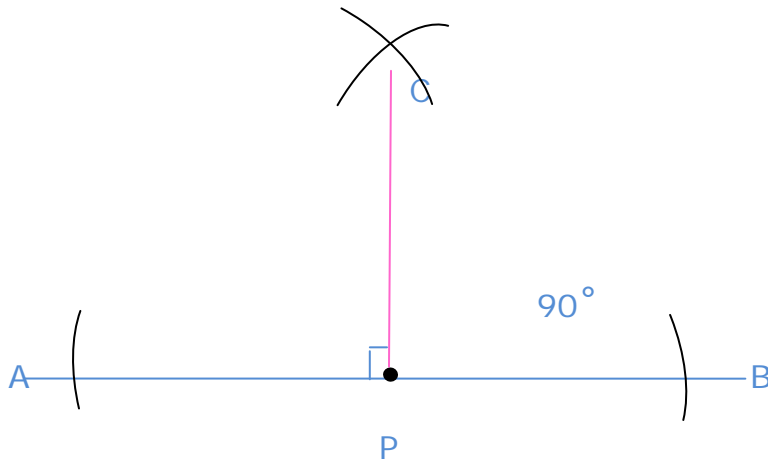
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5. Repeat this same procedure for point B. You will create two arcs that cross each other, forming point C.



6. Using the straight edge, draw a line from P to where the arcs cross (Point C).



7. Done. The line just drawn is a perpendicular to the line at P

