

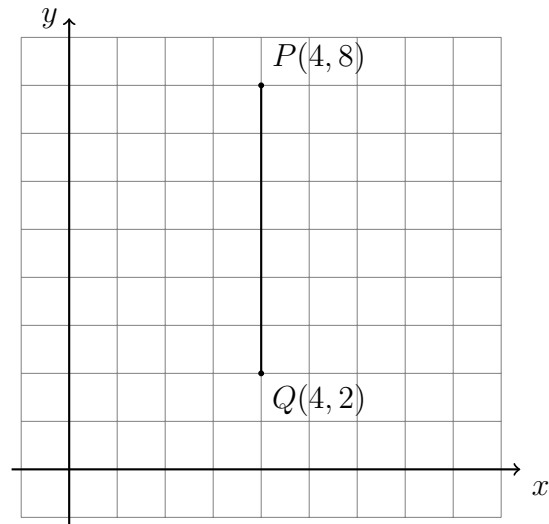
Name: _____

1.4 Homework: Segments

1. Line segments that have the same length are _____.
2. Two line segments or angles of equal measure are _____.
3. The vertical line segment \overline{PQ} is plotted on the coordinate plane with $P(4, 8)$ and $Q(4, 2)$.

Find the length PQ .

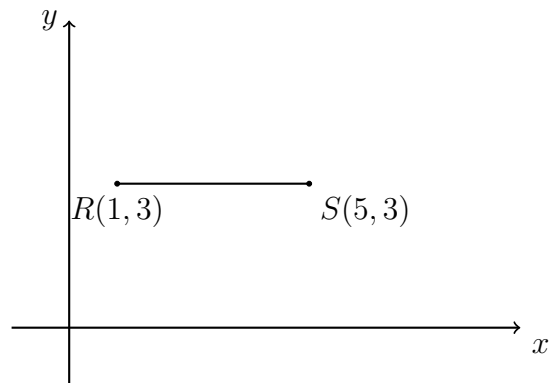
Show the calculation, including the absolute value bars. Count on the grid as a check. (leave marks)



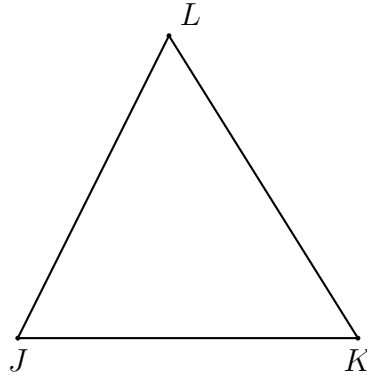
4. The horizontal line segment \overline{RS} is plotted on the coordinate plane with $R(1, 3)$ and $S(5, 3)$.

Find the length RS .

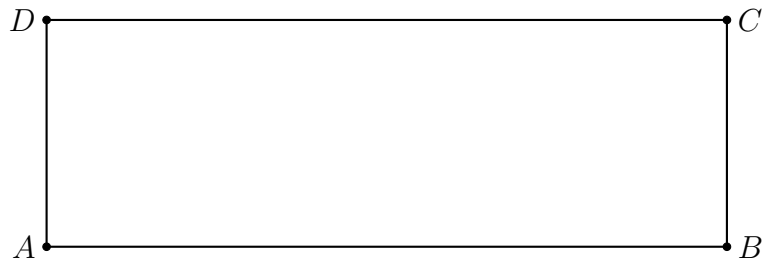
Show the calculation.



5. Given $\triangle JKL$ with $\overline{JK} \cong \overline{KL}$. On the diagram mark the congruent line segments with tick marks.

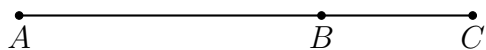


6. Given the rectangle $ABCD$ shown below.
- Measure and mark the length and width of the rectangle in centimeters.
 - Calculate the area of the rectangle in square centimeters. (show your work)

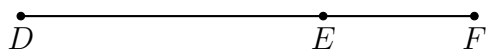


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7. Given \overline{ABC} , $AB = 3.8$, and $BC = 1.7$. Find AC .



8. Given \overline{DEF} , $DE = 3\frac{1}{3}$, and $EF = 1$. Find DF .



9. Given \overline{PQR} , $PQ = x - 2$, $QR = x$, $PR = 10$. Find PQ .

