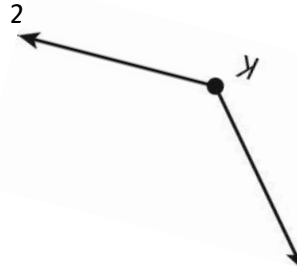
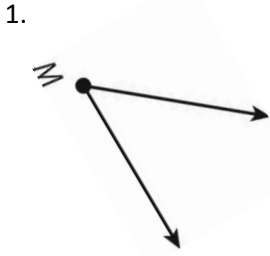
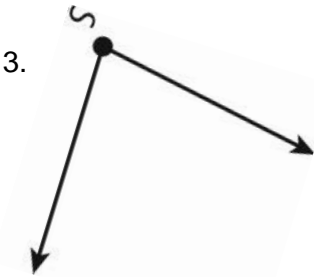


Use a compass and straightedge to construct a copy of each angle.

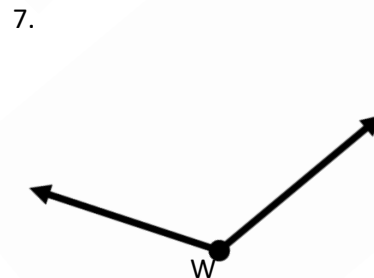
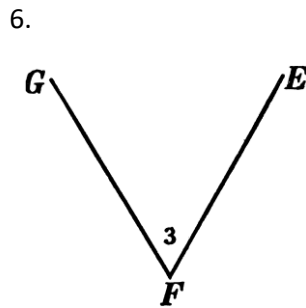
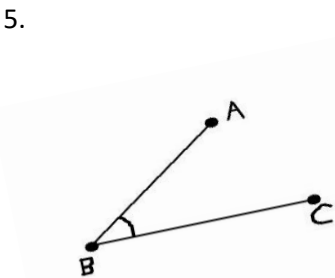


3) Construct ray ST the bisector of $m\angle S$.

4) Construct line ℓ the perpendicular bisector of \overline{AB}



Use a protractor to determine the measure of each angle. Then describe each angle as acute, right, obtuse, or straight.

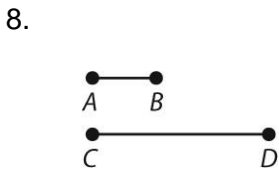


5) $m\angle ABC = \underline{\hspace{2cm}}$

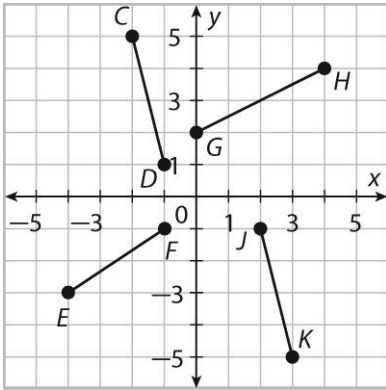
6) $m\angle 3 = \underline{\hspace{2cm}}$

7) $m\angle W = \underline{\hspace{2cm}}$

Use a straightedge and a compass to construct a segment of length $AB + 2CD$.



Use the distance formula to determine whether each pair of segments have the same length. Show all the work to receive full credit.



9. \overline{JK} and \overline{GH}
Show all the work here:

\overline{JK}

\overline{GH}

Answer: _____

Determine the coordinates of the midpoint for each segment. Identify the quadrant that the midpoint lies in.

10. \overline{PQ} has endpoints $P(-12, 6)$ and $Q(3, 10)$. Show all the work here:

Midpoint: _____

Quadrant: _____

11. The three undefined terms of geometry are: _____, _____, & _____.

12. The measure of $\angle DEF = 195$. Find the value of "y". Show all the work.

