

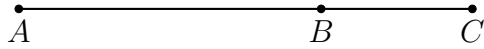
BECA / Dr. Huson / Geometry

2.4 Angle Pairs

1. Points that are all located on the same line are _____.

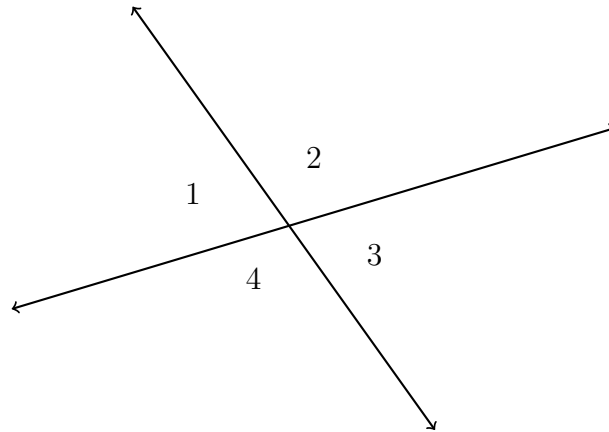
2. Given \overline{ABC} , $AB = 12$, and $AC = 19$.

(a) Find BC .



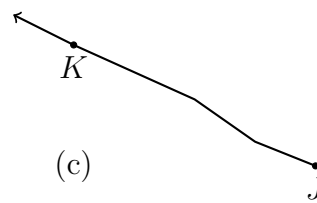
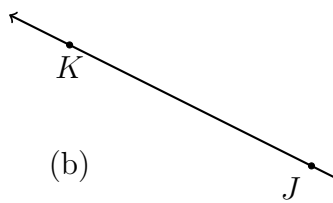
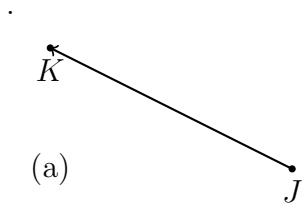
(b) The postulate used in this problem is the _____.

3. As shown below, two lines intersect making four angles: $\angle 1$, $\angle 2$, $\angle 3$, and $\angle 4$.

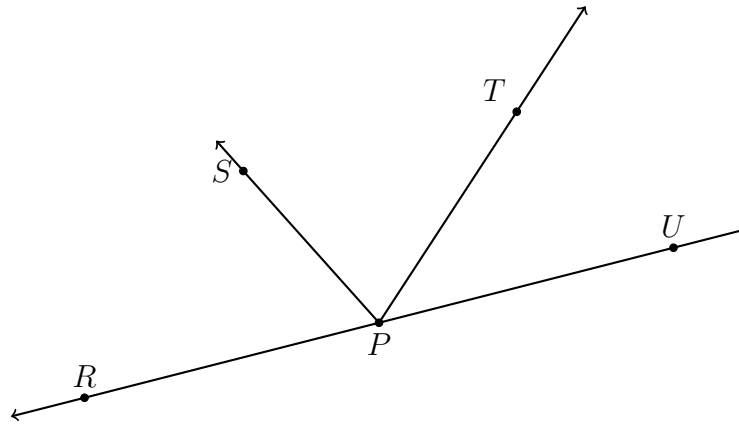


- (a) Which angle is opposite $\angle 1$? _____
- (b) Name an angle that is adjacent to $\angle 4$. _____
- (c) True or false, $\angle 2$ and $\angle 4$ are vertical angles. _____

4. For each example, explain the error made drawing \overrightarrow{JK} .



5. Given the situation in the diagram, answer each question. Circle True or False.



- (a) True or False: \overrightarrow{RP} and \overrightarrow{UP} are opposite rays.
- (b) True or False: $\angle TPR$ is an obtuse angle.
- (c) True or False: $\angle RPS$ and $\angle TPU$ are vertical angles.
- (d) True or False: $\angle RPS$ and $\angle SPT$ are adjacent angles.