

Question#20651

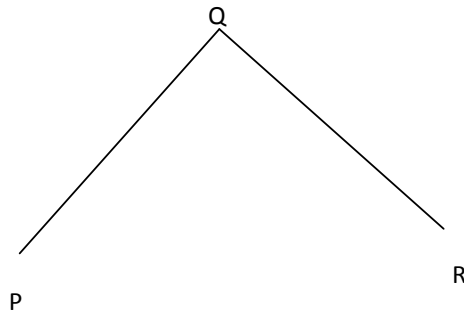
Sketch a counterexample that shows why each condition is false.

1.) If $PQ = QR$, then point Q is the midpoint of line PR.

2.) If two angles share a common side and a common vertex, then they are adjacent angles.

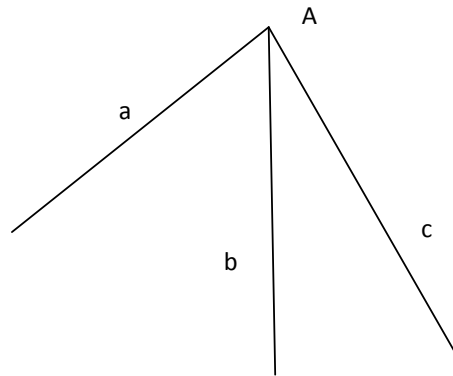
Solution:

1)



$PQ=QR$ but Q is not the midpoint of line PR.

2)



Two angles ab and bc have the common vertex A and side b, but they are not adjacent angles.