## **2.1 Perpendicularity** Symbol for perpendicular:

Definition: Lines, rays, or segments that intersect at right angles are perpendicular.

## **Perpendicular:**

Lines, Rays, or Segments that intersect at right angles



## Can we assume a right angle??

## •NO!!!!!

Α

B

 Therefore, you cannot assume perpendicularity from a diagram either.

In  $\triangle ABC$  it appears that  $\overline{AB} \perp \overline{BC}$  BUT, we must be given this or be able to prove it, you CANNOT ASSUME it.



