<u>2 - 7</u> *Proving Segment Relationships*



HOW to COMPLETE a PROOF

1) Define / Convert all given information into a equation that can be manipulated. Do this by using the <u>Definitions</u> of your vocab.

GIVEN: *A is the midpoint of BC*

CONCLUSION: BA = CA

Definition of a Midpoint



3) Use equations that are given and that you have created to create new equations. Do this by using <u>Properties.</u>

Given: Angle 1 + Angle 2 = 180

Angle 1 = 60

Conclusion:

60 + Angle 2 = 180 - Substitution Property

Angle 2 = 120 - Subtraction Property



