

1.6 Paragraph Proofs

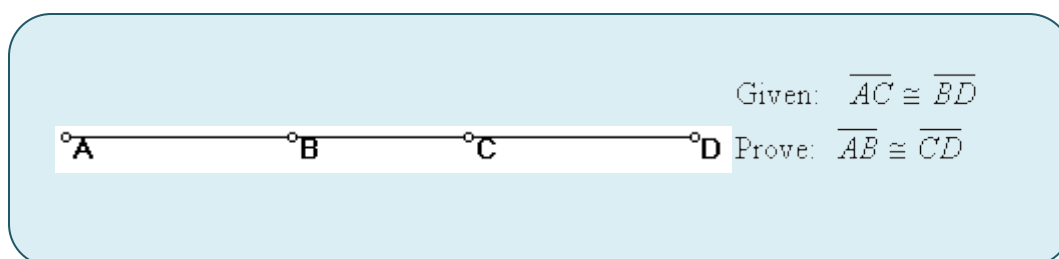
Lesson Objective: *After studying this section, you will be able to:*

- *Write paragraph proofs*

Paragraph proofs are not as formal as two column proofs. If on a test, you get the general idea of how to prove something or you are short on time, revert to a paragraph proof and write in simplest form how you would solve the proof.

If you write a paragraph proof first, it helps you to organize your thoughts so that you are able to put your argument into the two column form more easily.

Below is an example of a proof written first in paragraph form, then in two-column form.



Paragraph Proof Form:

If the larger segments are congruent,
and if segment BC is subtracted from both of them,
then the remaining segments must be congruent.

Two-Column Proof Form:

Statements	Reasons
1. $\overline{AC} \cong \overline{BD}$	1. Given
2. $\overline{BC} \cong \overline{BC}$	2. Reflexive Property
3. $\overline{AB} \cong \overline{CD}$	3. Subtraction Property