

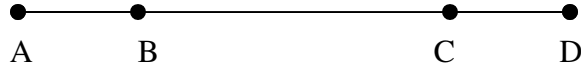
Geometry

Segment Proofs

YAY MATH!

Students will be able to complete the following proof after watching the video:

Given: $\overline{AC} \cong \overline{BD}$
Prove: $\overline{AB} \cong \overline{CD}$



| Statements | Reasons |
|------------|---------|
| | |

General flow of proofs:

- 1.) Given statement
- 2.) Change congruency to equals (if necessary)
- 3.) Some rule, definition, postulate
- 4.) Some form of substitution to get closer to your “prove” statement
- 5.) Some mathematical function to get closer to your “prove” statement (if necessary)
- 6.) Change equals back to congruent (if necessary)