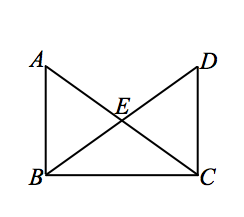
Lesson 26: Triangle Congruency Proofs

Classwork

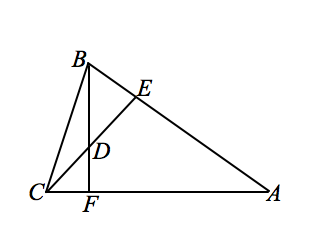
Exercises 1–6

1. Given: ,.

bisects , bisects .

.

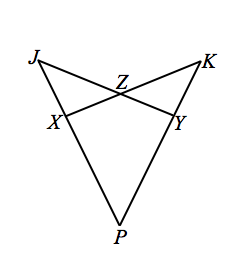
Prove: .



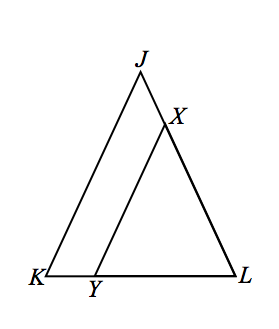
1. Given:

.

Prove: .

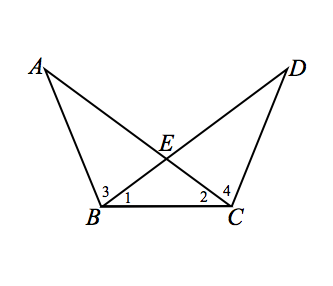
1. Given: ,,.

Prove: .

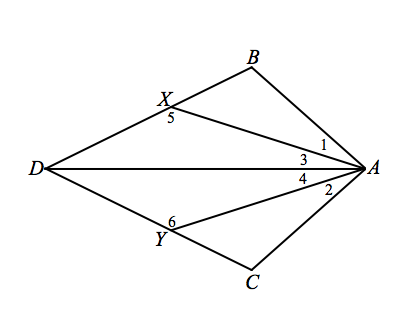


1. Given: ,.

Prove: .

1. Given: ,.

Prove: .



1. Given: ,,.

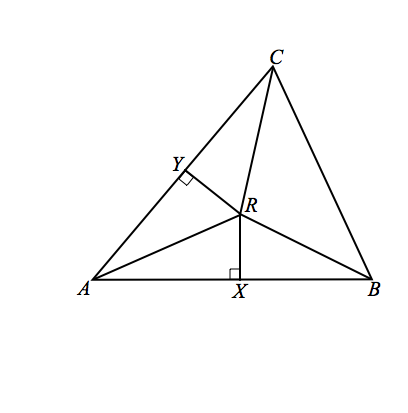
Prove: (a) .

(b) .

Problem Set

Use your knowledge of triangle congruence criteria to write a proof for the following:

In the figure and are the perpendicular bisectors of and , respectively.

Prove: (a) .

(b) .