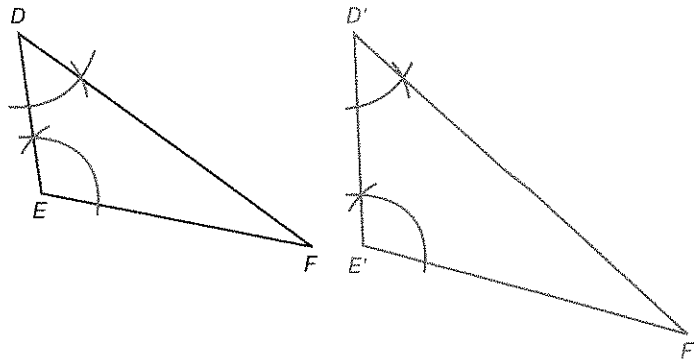


6.2 ~ Similar Triangle Theorems

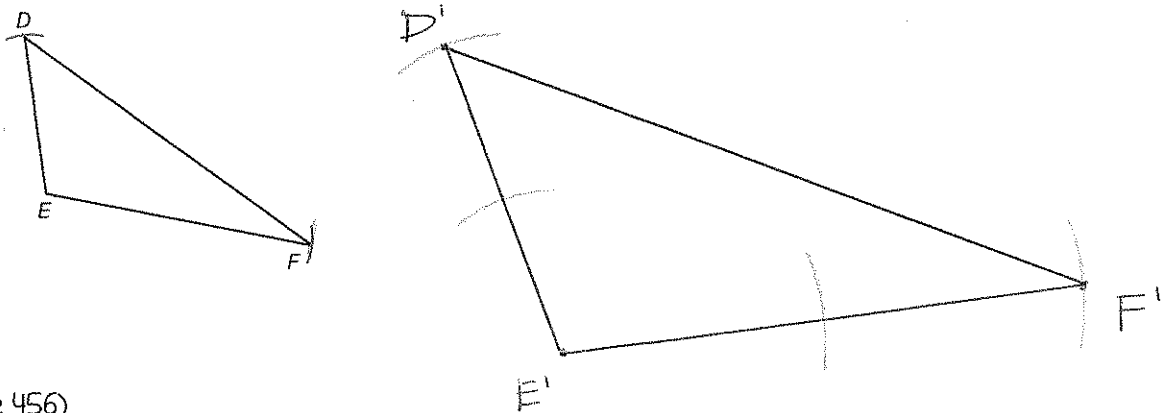
Problem 1 (page 452)

Use the diagram of the construction described in question 2, to answer questions 3 and 4 on page 453.



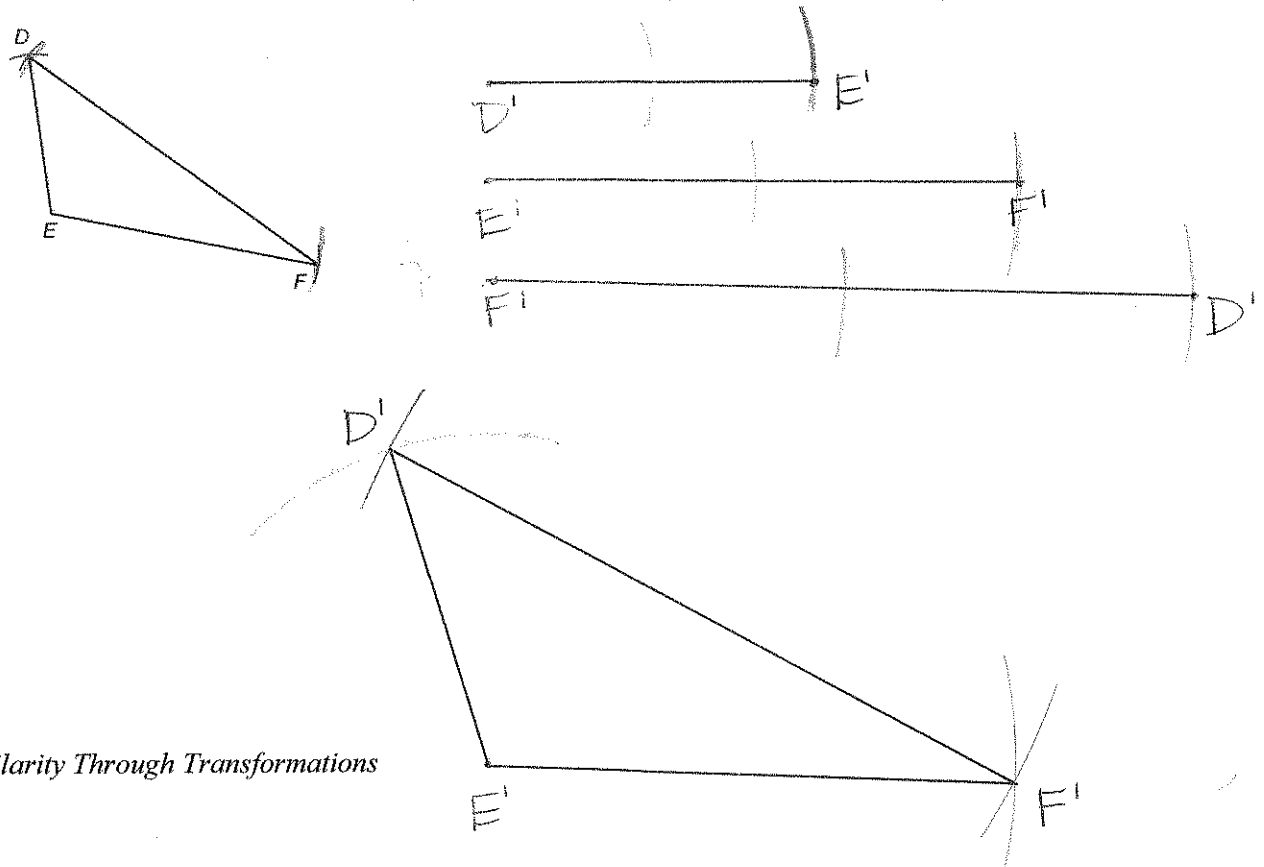
Problem 2 (page 455)

Use the diagram of the construction described in question 1, to answer questions 2 and 3 on page 455.



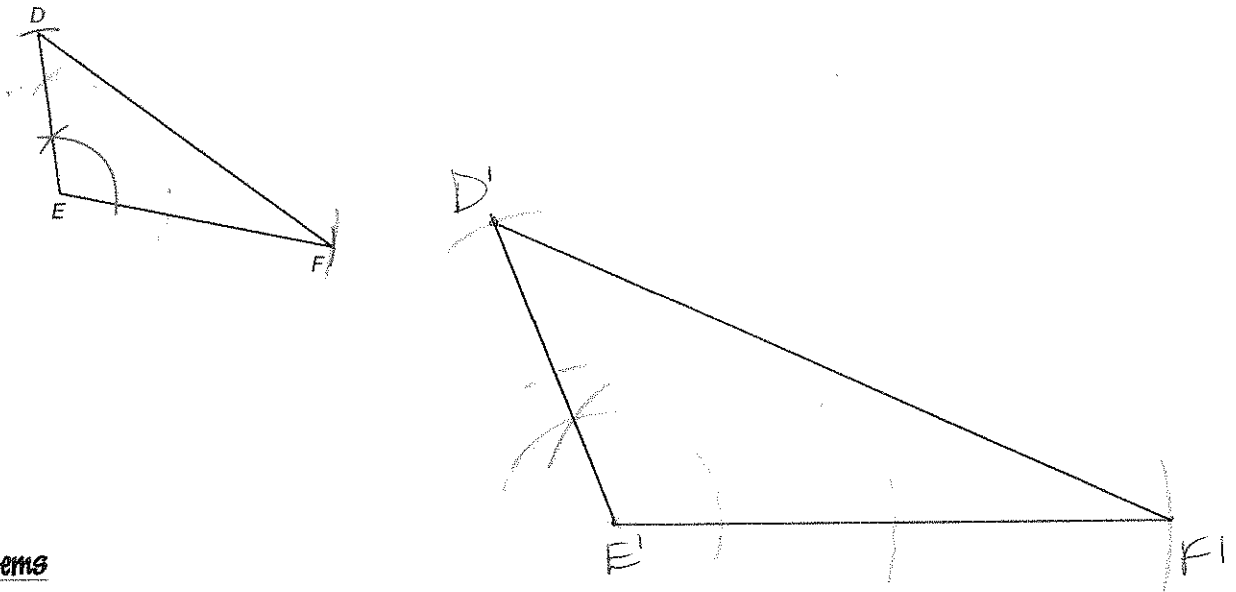
Problem 2 (page 456)

Use the diagram of the construction described in question 4, to answer questions 5 and 6 on page 456.



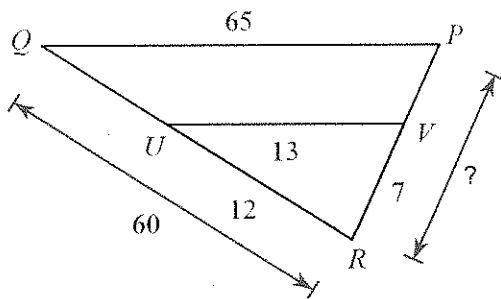
Problem 3 (page 458)

Use the diagram of the construction described in question 1, to answer questions 2 and 3 on pages 458 and 459.



Example Problems

The triangles shown are similar. Identify the similarity theorem: AA, SSS, or SAS. Set up and solve a proportion to find the missing segment length.



The triangles shown are similar. Identify the similarity theorem: AA, SSS, or SAS. Set up and solve a proportion to find the value of x .

