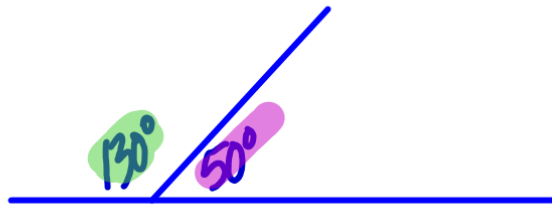
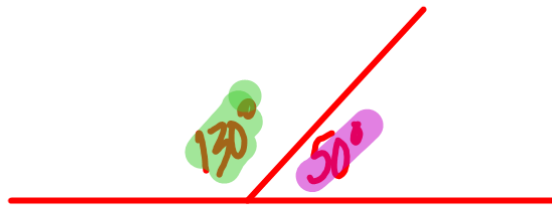


$m\angle A = 20^\circ$   
 $m\angle B = 160^\circ$   
Supplement to  $\angle A$   
 $m\angle C = 20^\circ$   
Supplement to  $\angle B$

Congruent



~~$$3x + 5 = 71$$~~

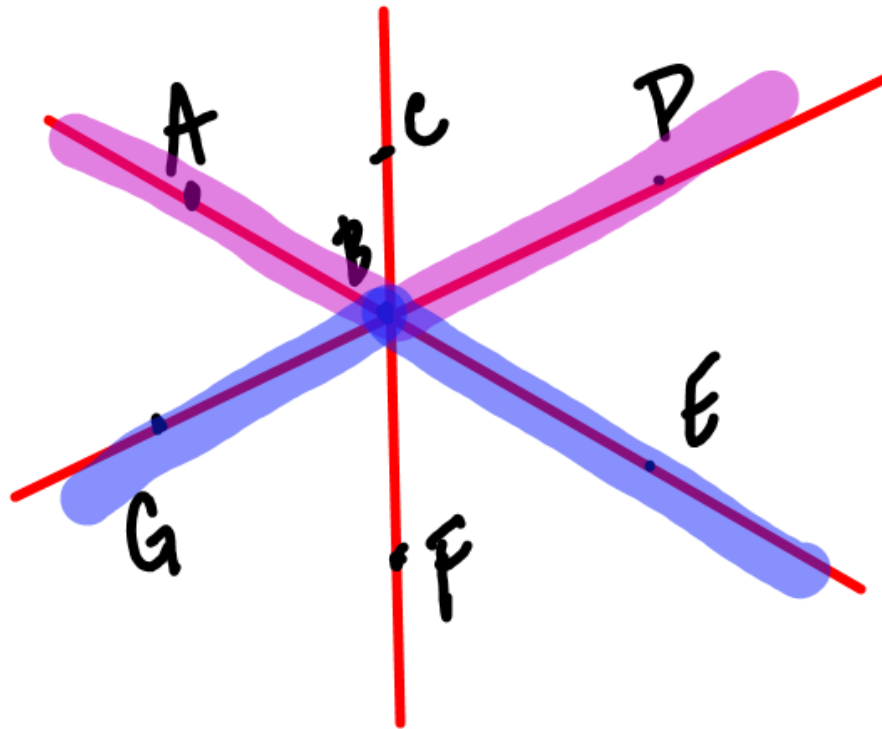
$$3x + \overset{-5}{5} = \overset{-5}{71}$$

$$\frac{3x}{\underline{3}} = \frac{66}{\underline{3}}$$

$$x = 22$$

p 121

10-20 All

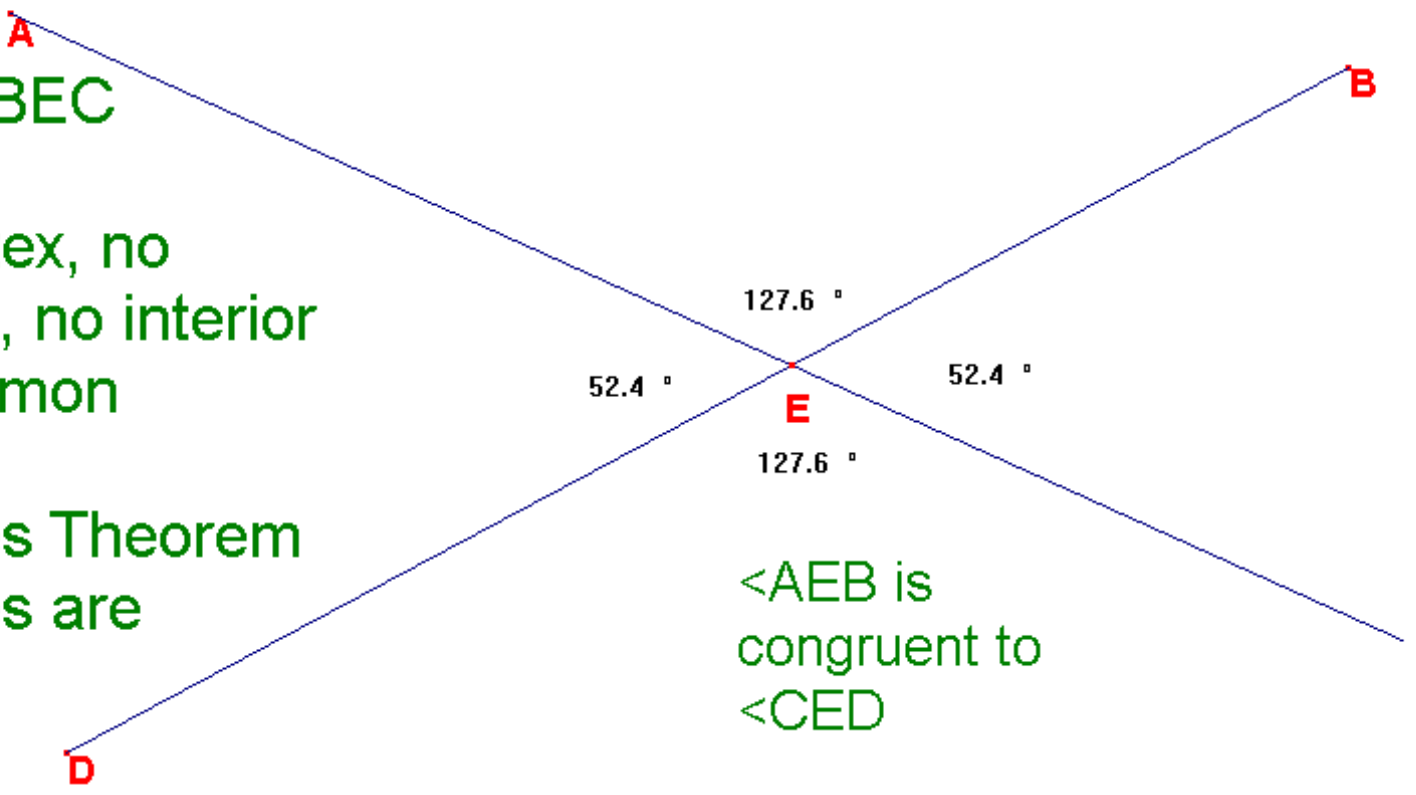


Vertical Angles  
 $\angle AEB$  and  $\angle CED$

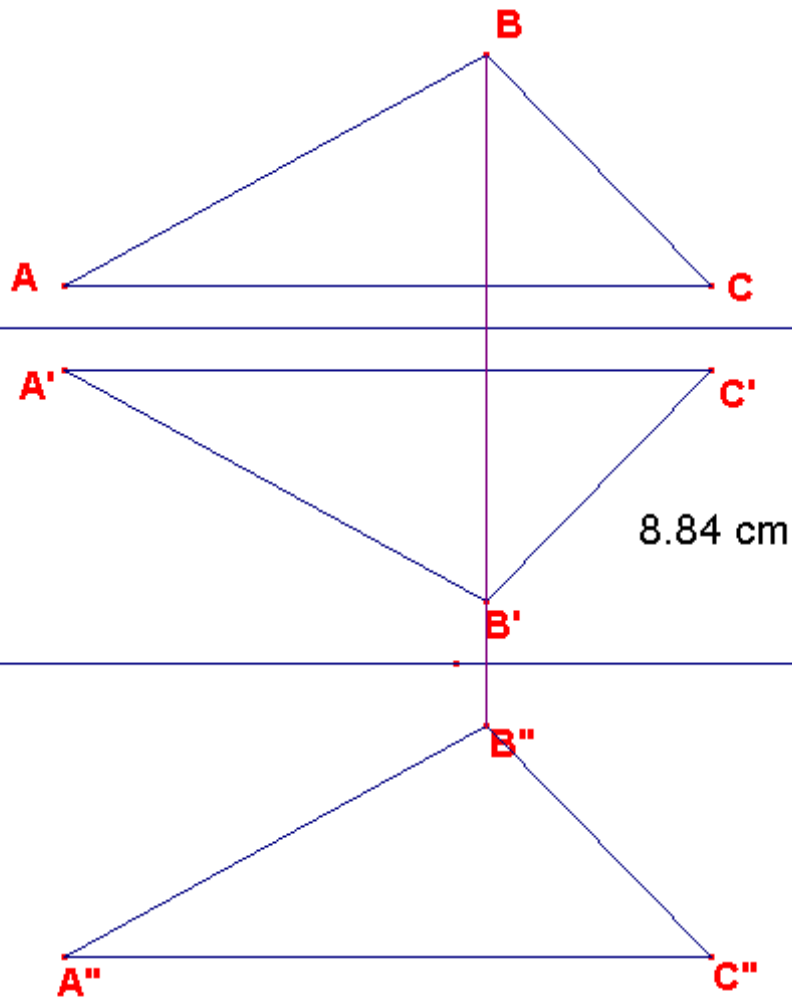
$\angle AED$  and  $\angle BEC$

Common vertex, no  
 common side, no interior  
 points in common

Vertical Angles Theorem  
 Vertical Angles are  
 congruent



$\angle AEB$  is  
 congruent to  
 $\angle CED$



Reflection across two parallel lines is equivalent to a translation of twice the distance between the lines and in a direction perpendicular to the two lines.

This text