

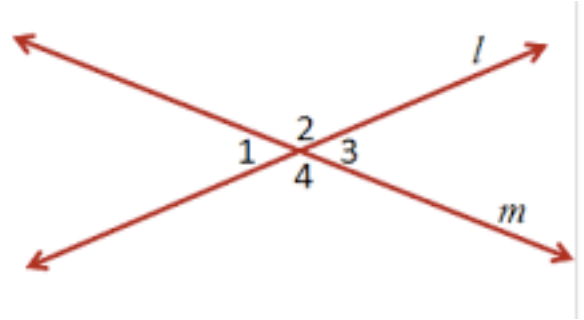
1.5 revision

Being able to identify and use the following terms is important for this learning goal:  
Addition postulate, subtraction postulate, substitution postulate

1)

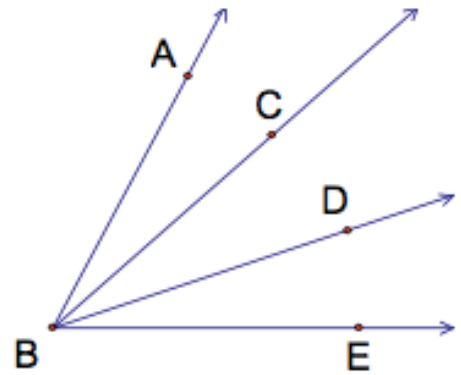
Given:  $\angle 1$  and  $\angle 3$  are vertical angles

Explain why  $\angle 1 \cong \angle 3$



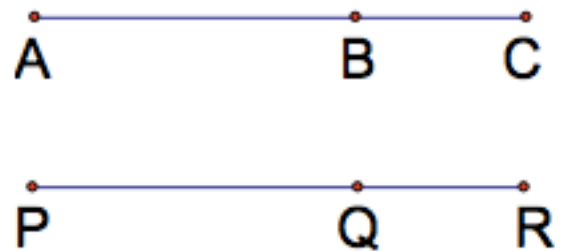
2) Given  $\angle ABD \cong \angle EBC$

Explain why  $\angle ABC \cong \angle EBD$



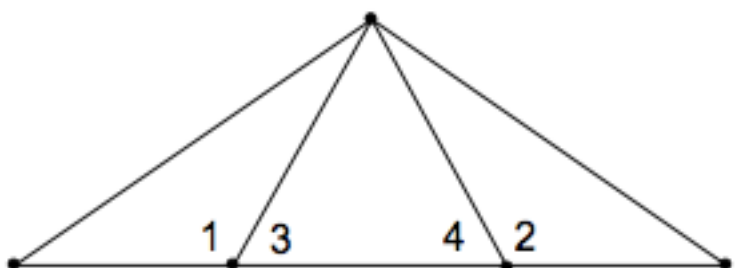
3) Given  $AB \cong PQ$  and  $BC \cong QR$

Explain why  $AC \cong PR$



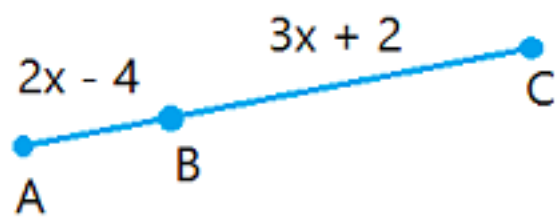
4) Angles 1 and 4 are supplementary

Explain why  $\angle 3 = \angle 4$



5)

Using the segment addition postulate



Suppose  $AC = 48$ , find the value of  $x$ . Then, find  $AB$  and  $BC$