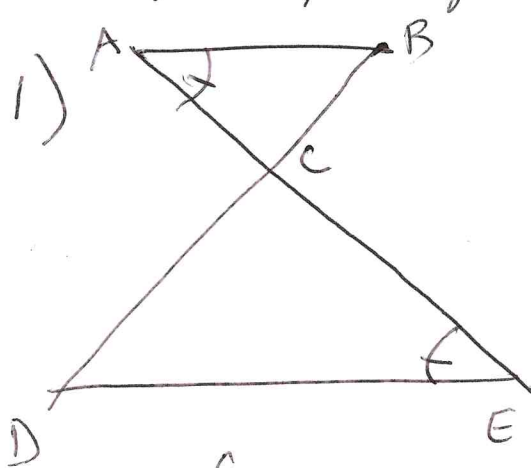
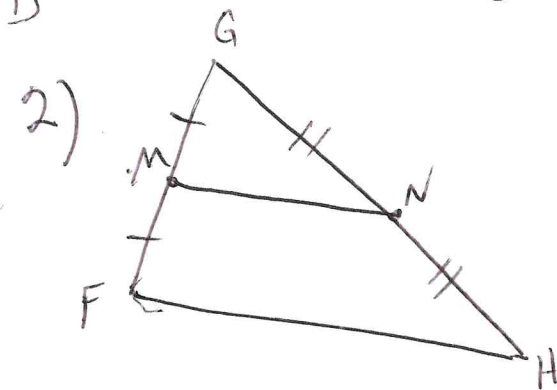


Are these  $\Delta$ 's similar?  
 Talk through a justification  
 with your partner.



Is  $\Delta ABC \sim \Delta EDC$ ?  
 Why?  
 Is  $\overline{AB} \parallel \overline{DE}$ ?  
 Why?



Is  $\Delta FGH \sim \Delta MGN$ ?  
 Why?  
 Is  $\overline{MN} \parallel \overline{FH}$ ? Why?  
 Ratio of  $\frac{MN}{FH}$ ? Why?

Answers: 1) yes AA ( $\angle ACB \cong \angle ECD$ )  
 $\angle A \cong \angle E$

$\overline{AB}$  is parallel to  $\overline{DE}$  because  
 AA are congruent.

2) yes SAS  $\frac{GM}{GF} = \frac{GN}{GH} = \frac{1}{2}$   $\angle G \cong \angle G$