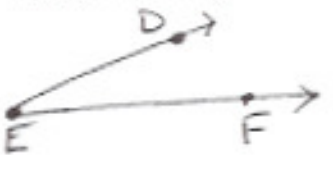
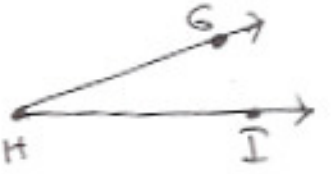
Due Date _____

Block _____

Intro to Proofs #2.4





(1) Given: $m\angle ABC = m\angle DEF$
$m\angle DEF = m\angle GHI$
Prove: $m\angle ABC = m\angle GHI$

(2) Given: $m\angle ABC = m\angle DEF$
$m\angle GHI = m\angle DEF$
Prove: $m\angle ABC = m\angle GHI$

(3) Given: $\angle ABC \cong \angle DEF$
$\angle DEF \cong \angle GHI$
Prove: $\angle ABC \cong \angle GHI$

(4) Given: $m\angle ABC = m\angle DEF$
$m\angle DEF = m\angle GHI$
$m\angle GHI = m\angle KLM$
Prove: $m\angle ABC = m\angle KLM$

(5) Given: $\angle ABC \cong \angle DEF$
$\angle GHI \cong \angle DEF$
$\angle GHI \cong \angle KLM$
Prove: $\angle ABC \cong \angle KLM$

(6) Given: $m\angle ABC = m\angle DEF$
$m\angle GHI = m\angle KLM$
Prove: $m\angle ABC + m\angle GHI \neq m\angle DEF + m\angle KLM$

(7) Given: $\angle ABC \cong \angle DEF$
$\angle GHI \cong \angle KLM$
Prove: $m\angle ABC + m\angle KLM = m\angle DEF + m\angle GHI$