Name _____

Due Date _____

Block _____

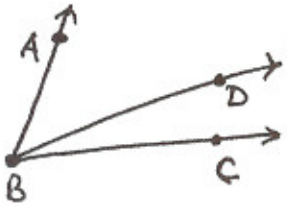
Intro to Proofs #1.2

① 

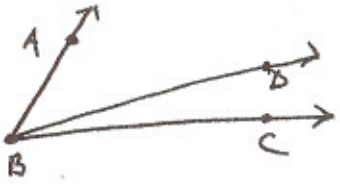
Given: $AB = 8$
$BC = 3$
Prove: $AC = 11$

② 

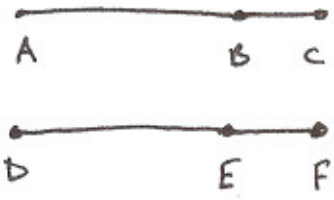
Given: $AC = 12$
$AB = 9$
Prove: $BC = 3$

③ 

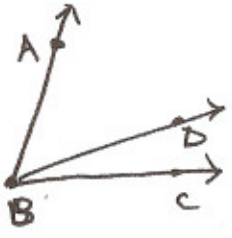
Given: $m\angle ABD = 40°$
$m\angle DBC = 22°$
Prove: $m\angle ABC = 62°$

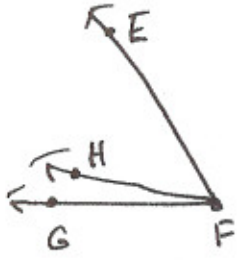
④ 

Given: $m\angle ABC = 54°$
$m\angle DBC = 22°$
Prove: $m\angle DBC = 32°$

⑤ 

Given: $AB = DE$
$BC = EF$
Prove: $\overline{AC} \cong \overline{DF}$

⑥ 



Given: $m\angle ABD = m\angle EFH$
$m\angle DBC = m\angle HFG$
Prove: $\triangle ABC \cong \triangle EFG$