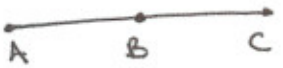
Name _____
Due Date _____
Block _____

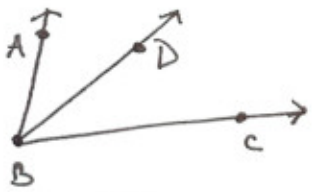
Intro to Proofs Practice Test #2.1

★ ①



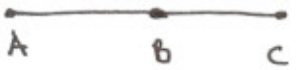
Given: B is midpoint of $\overline{AC}$
Prove: $\overline{BC} \cong \overline{AB}$

★ ②



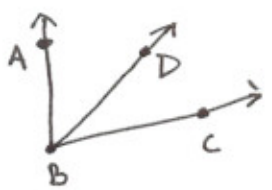
Given: $\overrightarrow{BD}$ bisects $\angle ABC$
Prove: $m\angle ABD = m\angle DBC$

★★ ③



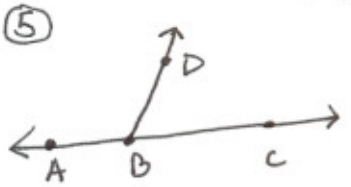
Given: B is midpoint of $\overline{AC}$
$AB = 4$
Prove: $AC = 8$

★★ ④



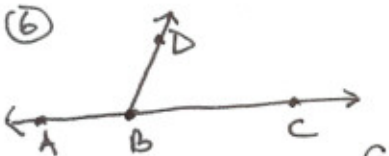
Given: $m\angle ABD = 40°$
$m\angle DBC = 40°$
Prove: $\overrightarrow{BD}$ bisects $\angle ABC$

★★ ⑤



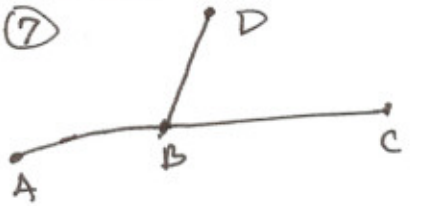
Given: $m\angle ABD = 110°$
Prove: $m\angle DBC = 70°$

★ ⑥



Given: None
Prove: $180° = m\angle ABD + m\angle DBC$

★★ ⑦

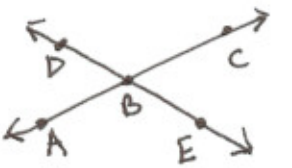


Given: $\overline{DB}$ bisects $\overline{AC}$
$AB = 4$
Prove: $BC = 4$

★★ ⑧

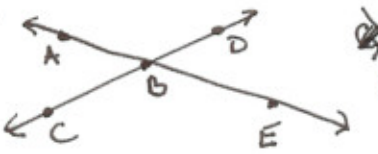
Given: B is midpoint of $\overline{AC}$
$AB = 3$
Prove: $BC = 3$

★★ ⑨



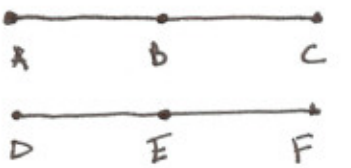
Given: $m\angle ABD = 40°$
Prove: $m\angle CBE = 40°$

★ ⑩



Given: None
Prove: $m\angle ABC = m\angle DBE$

★★★ ⑪



Given: B is midpoint of $\overline{AC}$
E is midpoint of $\overline{DF}$
$BC = DE$
Prove: $\overline{AC} \cong \overline{DF}$