Name _____

Due Date _____

Block _____

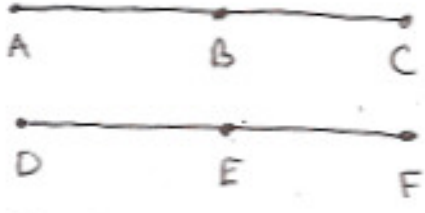
Intro to Proofs #2.5

① 

Given: B midpoint of $\overline{AC}$

$BC = DE$

Prove: $\overline{AB} \cong \overline{DE}$

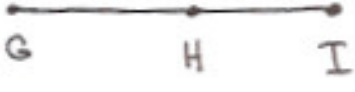
② 

Given: $\overline{AB} \cong \overline{ED}$

$\overline{BC} \cong \overline{EF}$

E midpoint $\overline{DF}$

Prove: B midpoint $\overline{AC}$

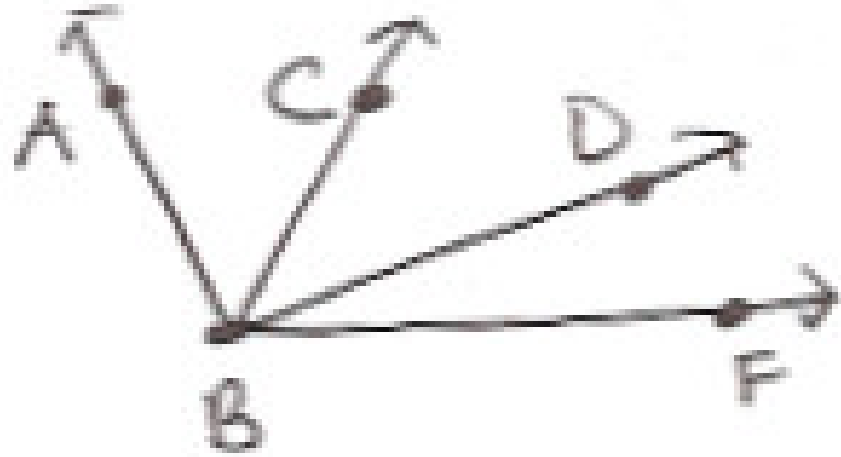
③ 

Given: H is midpoint of $\overline{GI}$

$GH = 5$

Prove: $GI = 10$

④



Given: $\angle CBA \cong \angle DBF$

Prove: $\angle ABD \cong \angle CBF$

⑤

Given: $m\angle ABC = 30°$

$m\angle CBD = 20°$

Prove: $m\angle ABD = 50°$