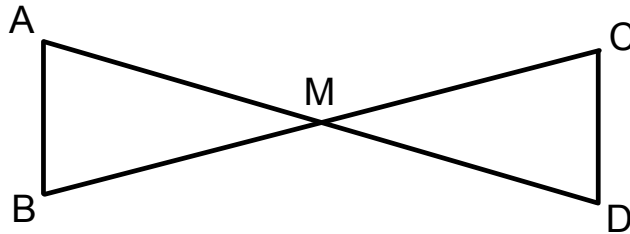


Warm-up 3/23/17

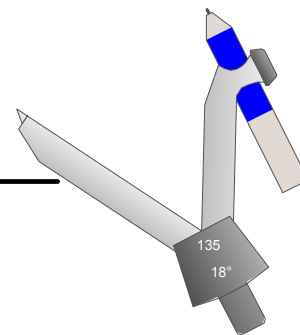
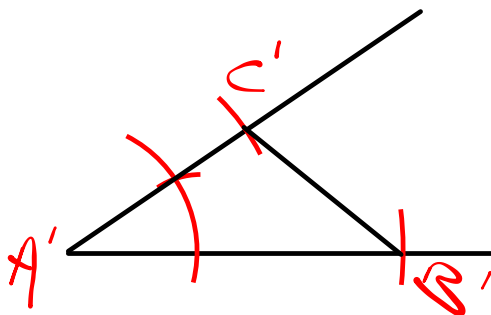
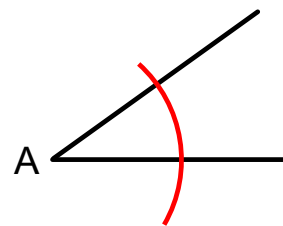
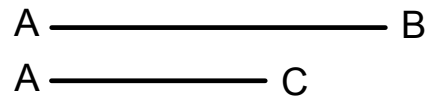
Suppose segments AB and CD are congruent, and that M is the midpoint of segments AD and BC.



Are there congruent triangles in the diagram? If so, give a congruence statement.

$$\triangle ABM \cong \triangle DCM$$

Pg. 760-761



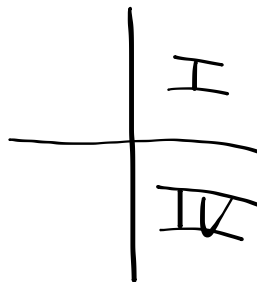
Pg. 762-763

1-3

$$\begin{aligned} AB &= \sqrt{(5-2)^2 + (9-3)^2} \\ &= \sqrt{9+36} \\ &= \sqrt{45} \end{aligned}$$

$$\begin{aligned} BC &= \sqrt{(7-2)^2 + (2-3)^2} \\ &= \sqrt{25+1} \\ &= \sqrt{26} \end{aligned}$$

$$\begin{aligned} AC &= \sqrt{(7-5)^2 + (2-9)^2} \\ &= \sqrt{4+49} \\ &= \sqrt{53} \end{aligned}$$



Pg. 764

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