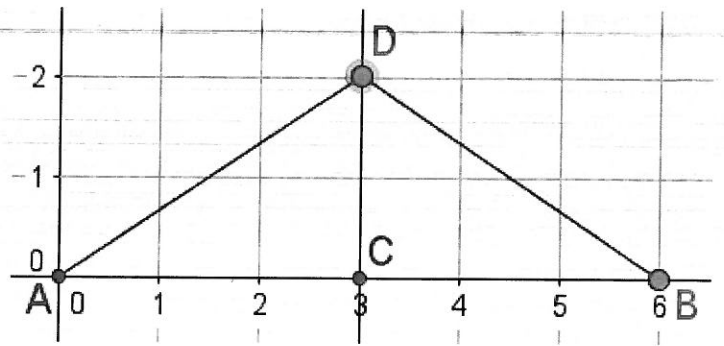


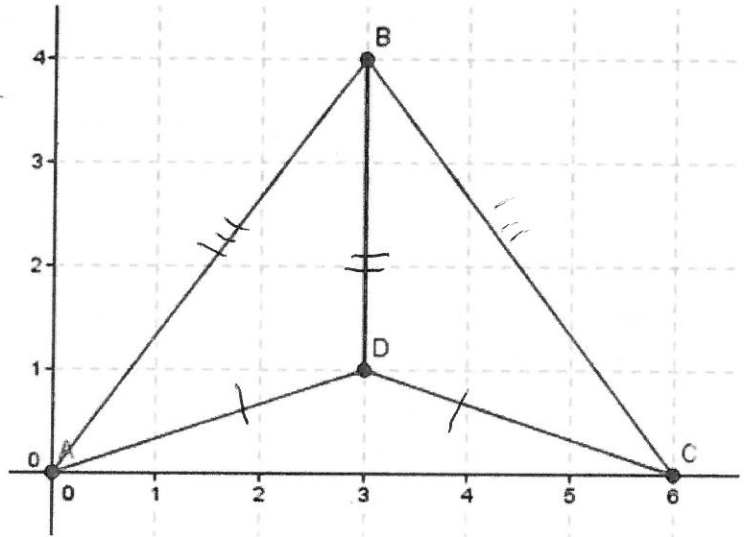
2. First write a plan, then prove CD is an angle bisector of angle ADB.

S	R
$AC=3, CB=3$ $AC=CB$ $CD=CD$ $AD=5, DB=5$ $AD=DB$ $\triangle ADC \cong \triangle BDC$ $\angle ADC \cong \angle BDC$ CD is an angle bisector	<del>D.F.</del> <del>Trans. Prop.</del> Reflexive D.F. Trans. Prop. SSS CPCTC Def of Angle Bisector.



3. First write a plan, then prove DB bisects angle ABC.

S	R
$BD=BD$ $AD=\sqrt{10}, CD=\sqrt{10}$ $AD=CD$ $AB=5, CB=5$ $AB=CB$ $\angle ABD = \angle CBD$ BD is an angle bisector.	Reflexive D.F. T.P. D.F. T.P. CPCTC



Write the congruence theorem that proves the two triangles are congruent. If they are not, write "not congruent".

