

3.4 Homework

Name _____

► **Construction** For Exercises 1–5, match each geometric construction with its diagram.

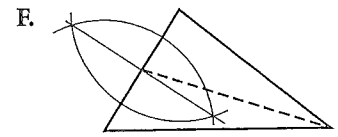
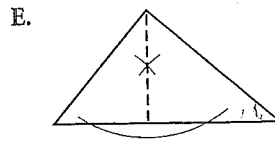
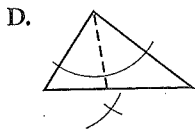
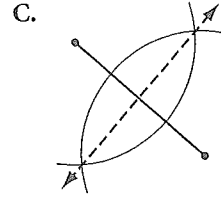
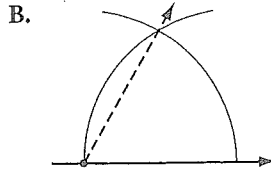
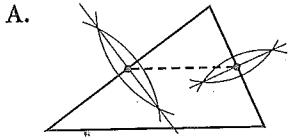
1. Construction of an angle bisector

2. Construction of a median

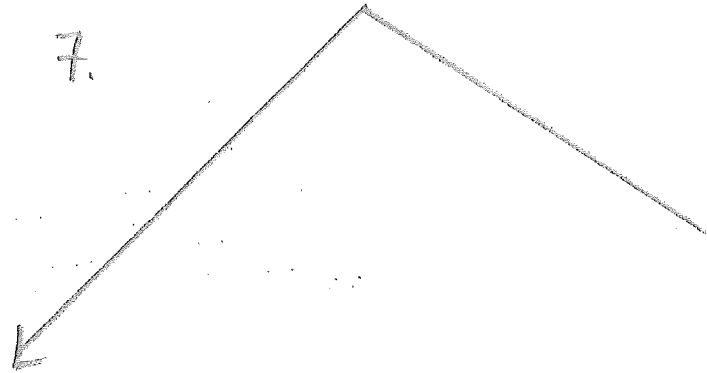
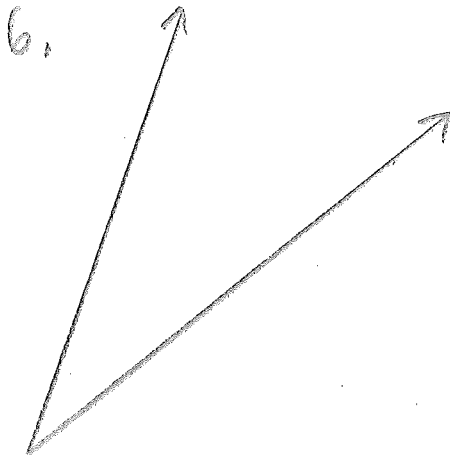
3. Construction of a midsegment

4. Construction of a perpendicular bisector

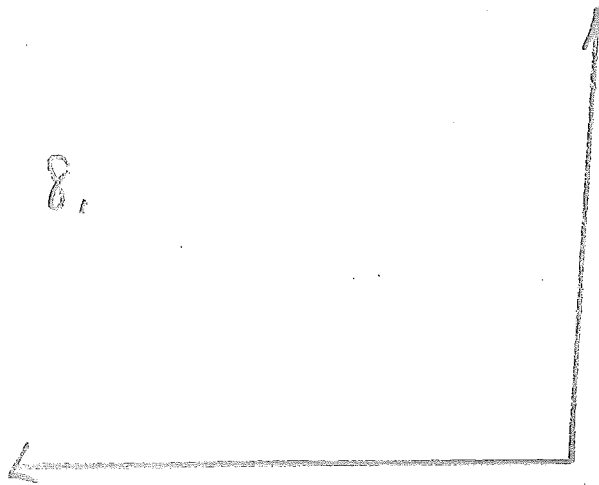
5. Construction of an altitude



For #6–8, construct the bisector of each angle.



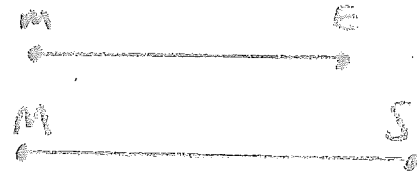
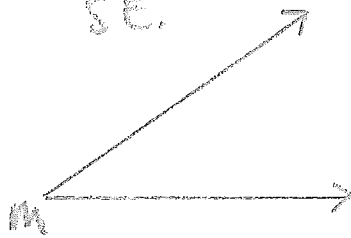
8.



9. Construct an isosceles right triangle with z as the length of each of the two congruent sides,



10. Construct $\triangle MSE$ with \overline{OU} , where O is the midpoint of \overline{MS} and U is the midpoint of \overline{SE} .



11. Construct the bisector of $\angle A$. Construct the altitude of B .
Construct the median of C .

