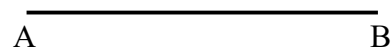


## 1.7 Homework

---

Write your answers ON THESE SHEETS. Use only a compass and a ruler (straight edge).

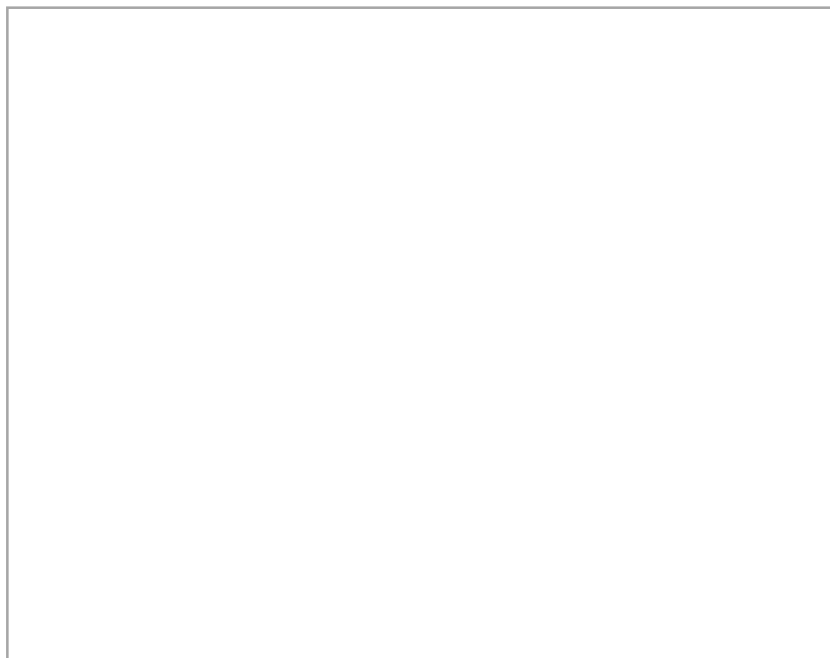
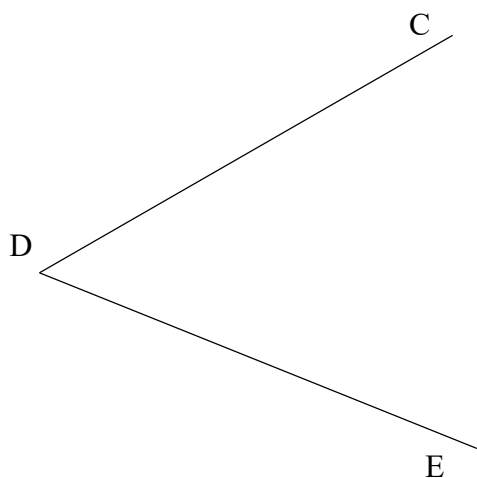
1. On the gray line below, construct XW congruent to AB.



2. On the gray line below, construct YZ three times as long as AB.



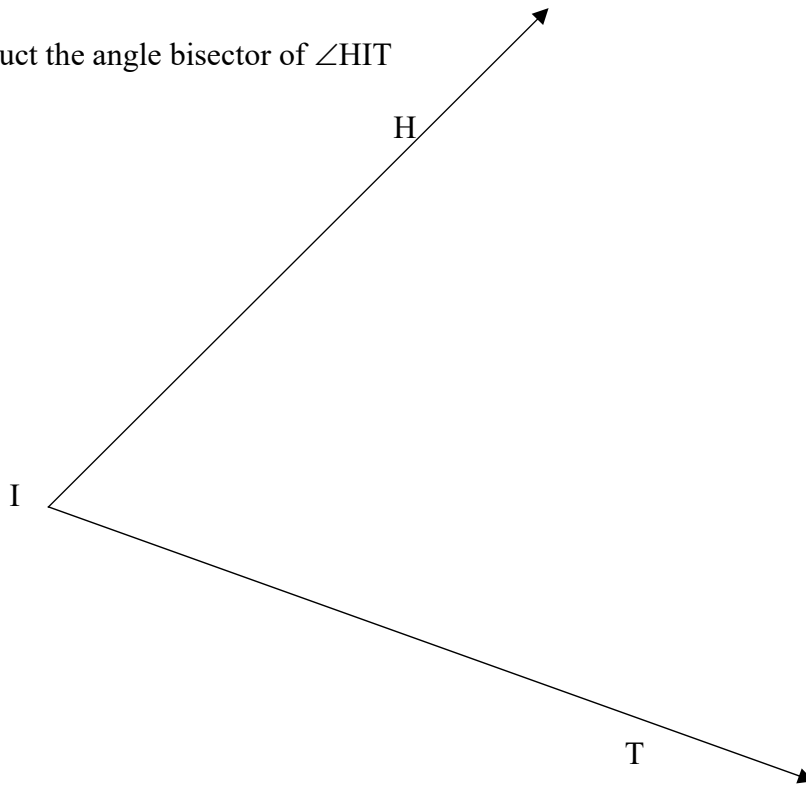
3. In the grey box, construct  $\angle LMN$  congruent to  $\angle CDE$ .



4. Construct the perpendicular bisect of FG.



5. Construct the angle bisector of  $\angle HIT$



6.  $RS$  bisects  $\angle TSU$ .  $m\angle TSR = 3x - 12$  and  $m\angle RSU = 2x + 21$ .

a. Write an equation using the definition of *bisect*.

b. Solve for  $x$ .  
Show the work here  $\rightarrow$

c. Calculate the measure of  $\angle TSU$ .