Geometry
Homework

Copy Segments & Angles
Do work on this sheet

1)   Construct a line segment congruent to $\overline{AB}$. Call it $\overline{RQ}$.
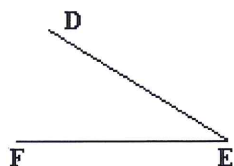
A ——————————————— B

2)   Construct $\overline{PD}$ congruent to $\overline{CP}$

P

C

                                                                    A ———————
                                                                              B
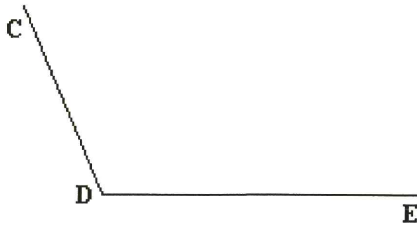3)   Construct $\overline{TC}$ such that $\overline{TC}$ is three times length of $\overline{AB}$.
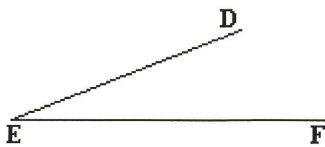
4)   Construct <PRT congruent to <DEF.

D

F ——————————— E

Continue with the work on the back

5) Construct <LMN congruent to <CDE

C

D

E

6) Construct <ABC such that m<ABC is three times the measure of <DEF

D

E

F

7) Robert is standing at the top of a lighthouse that is 125 feet tall. He sees a ship in the distance sailing towards him. If the angle of depression from the top of the lighthouse to the ship is 7°, how far away, to the nearest foot, is the ship from the top of the lighthouse?

8) Solve: $\dfrac{2}{3}c - 4 = \dfrac{2}{5}c + 8$

9) Sheila is paid $170 a week plus a commission of $15 on each television she sells. How many must she sell to make at least $350 a week?