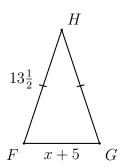
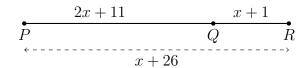
1.5 Homework: Segments, equilateral and isosceles triangles, perimeter

1. The perimeter of the isosceles $\triangle FGH$ is 35 with $\overline{FH}\cong \overline{GH}$. If FG=x+5 and $FH=13\frac{1}{2},$ find x.

Show your work with an equation for full credit.



2. Given \overline{PQR} , PQ = 2x + 11, QR = x + 1, PR = x + 26. Find x.



- (a) Write down an equation to represent the situation.
- (b) Solve for x.
- (c) Check your answer.
- 3. Given \overline{DEF} , $DE = 3\frac{1}{3}$, and EF = 1. Find DF.

