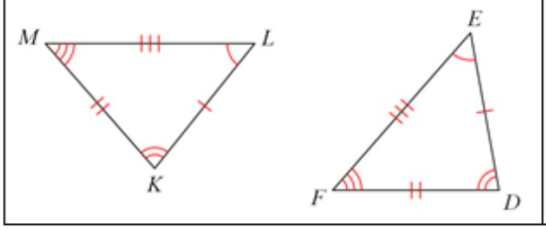
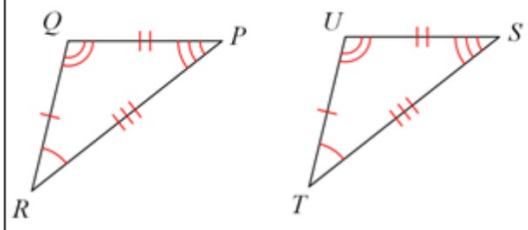
1. List the corresponding parts of the triangle shown.

$\triangle LKM \cong \triangle EDF$	Corresponding Sides	Corresponding Angles
	$\overline{LK} \cong$ ED ML $\cong \overline{EF}$ $\overline{KM} \cong$ FD	$\angle L \cong$ $\angle E$ $\angle K \cong \angle D$ $\angle M \cong \angle F$

2. List the corresponding parts of the triangle shown.

$\triangle RQP \cong \triangle TUS$	Corresponding Sides	Corresponding Angles
	$\overline{QP} \cong$ $\overline{US}$ $\overline{RQ} \cong \overline{TU}$ $\overline{RP} \cong$ $\overline{TS}$	$\angle Q \cong$ $\angle U$ $\angle R \cong \angle T$ $\angle P \cong \angle S$

3. Use the picture below and the congruence statement: $\Delta LMN \cong \Delta PQR$

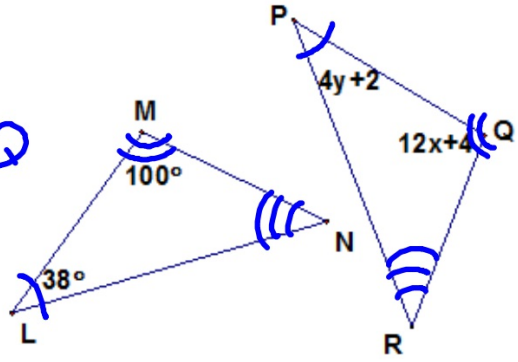
a. Solve for x. Explain how you wrote your equation.

$12x+4=100$

$-4 \quad -4$

$\frac{12x}{12}=\frac{96}{12}$ $x=8$

$LM \cong LQ$



b. Solve for y. Explain how you wrote your equation.

I got my equation because $\angle P$ is congruent to $\angle L$

$4y+2=38$

$-2 \quad -2$

$\frac{36}{4}$ $y=9$

$\frac{4}{4}$