

Name:

Date:

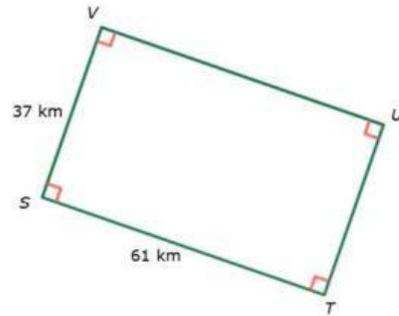
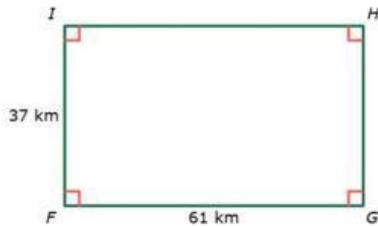


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Title: **Geometry: 7.1 Understand Congruent Figures**

Instructions: Copy the following questions to your notebook and solve them. Once done submit them on Schoology

Q1:



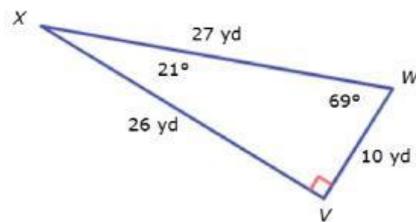
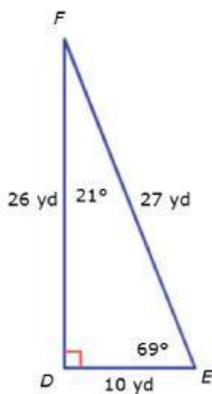
a) Are these shapes congruent? (Yes / No)

b) Fill in the blank:

$FGHI \cong$ _____

$IF =$ _____

Q2: What are the corresponding parts of the figures below? Select all that apply.



$\angle F \cong \angle V$

$\overline{EF} \cong \overline{WX}$

$\angle E \cong \angle X$

$\angle E \cong \angle W$

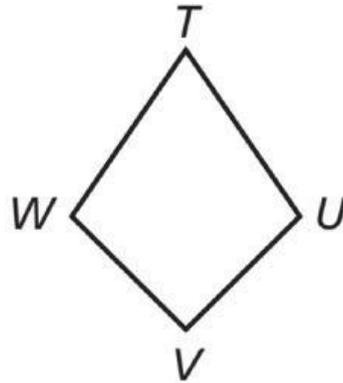
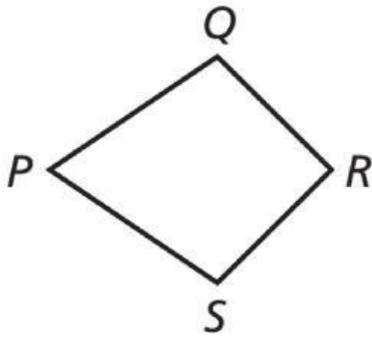
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Q3)



List the corresponding congruent parts:

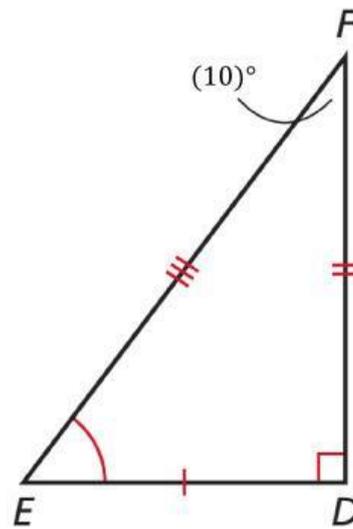
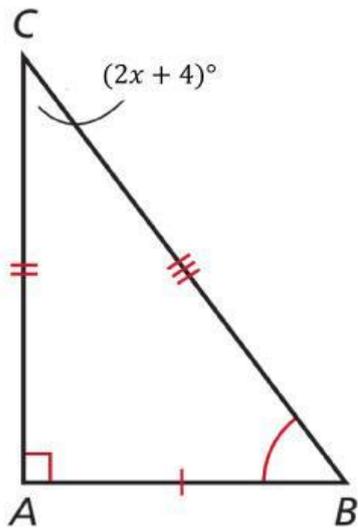
$QR = \underline{\hspace{1cm}}$

$RS = \underline{\hspace{1cm}}$

$QP = \underline{\hspace{1cm}}$

$PS = \underline{\hspace{1cm}}$

Q4) Find the value of x :



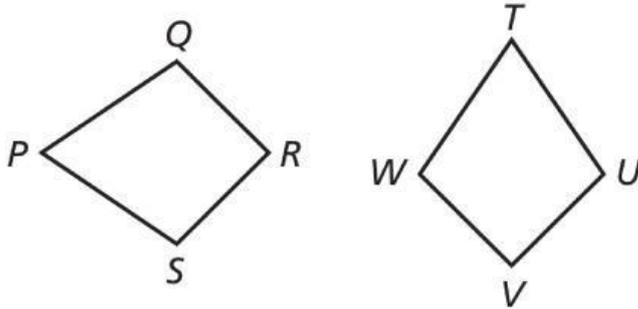
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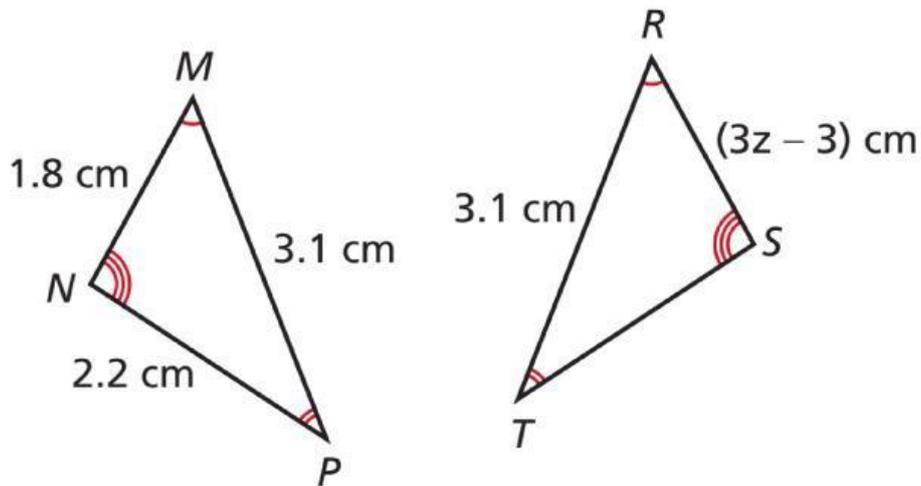


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Q5) Describe a sequence of rigid motions that maps PQRS to TUVW. (Translation, Rotation, Reflection, Dilation)



Q6) Find the value of z



Q7) **Extension:** Find the values of x , y and z

