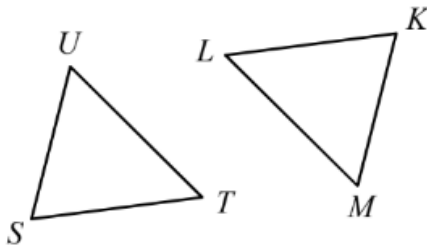


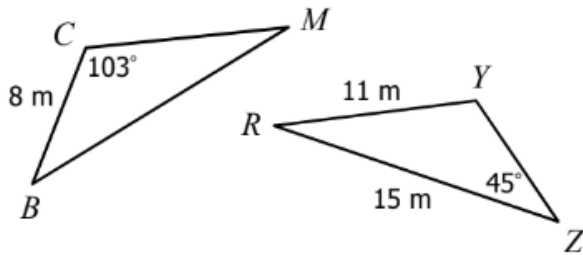
4.1A Congruent Figures Homework Worksheet

1. Given $\triangle STU \cong \triangle KLM$, complete each of the following statements.



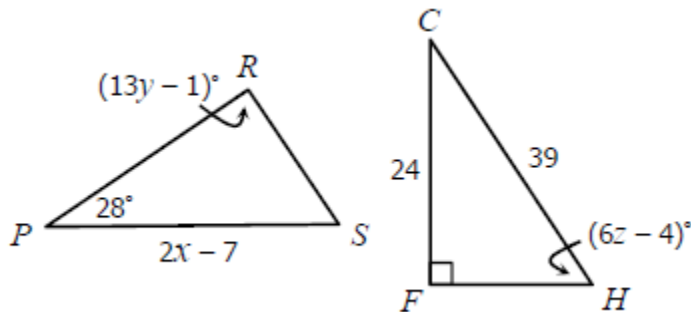
- a) $\overline{TU} \cong$ _____
- b) $\overline{KM} \cong$ _____
- c) $\overline{LK} \cong$ _____
- d) $\angle M \cong$ _____
- e) $\angle T \cong$ _____
- f) $\angle UST \cong$ _____
- g) $\triangle UST \cong$ _____
- h) $\triangle TUS \cong$ _____

2. Given $\triangle BCM \cong \triangle ZYR$, find each missing measure.



- a) $CM =$ _____
- b) $BM =$ _____
- c) $YZ =$ _____
- d) $m\angle B =$ _____
- e) $m\angle M =$ _____
- f) $m\angle Y =$ _____

3. Given $\triangle PRS \cong \triangle CFH$, find the values of x , y , and z .



4. If $\triangle ABC \cong \triangle DEF$, $AB = 8$, $BC = 19$, $AC = 14$, $EF = 4x - 1$, and $DE = y - 6$, find the values of x and y .