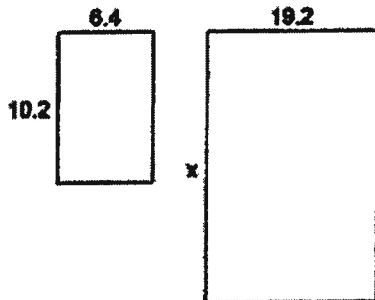
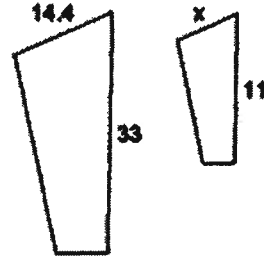


Each pair of figures is similar. Find the missing side.

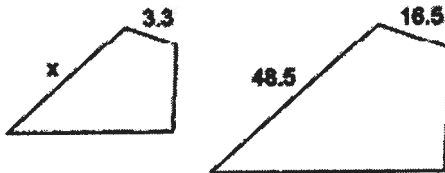
1)



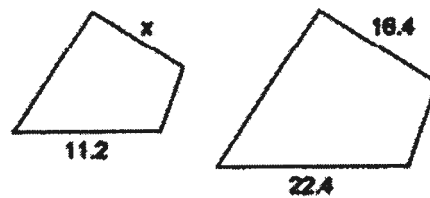
2)



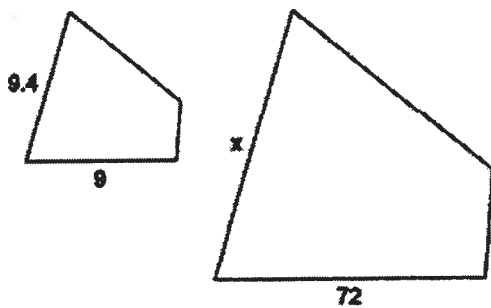
3)



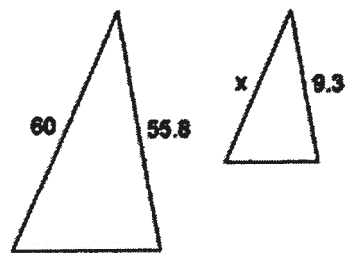
4)



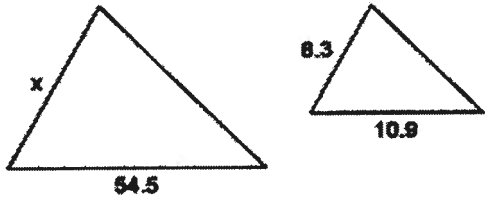
5)



6)



7)



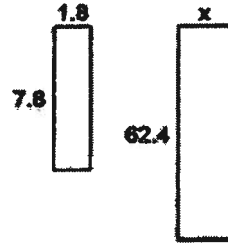
8)



9)

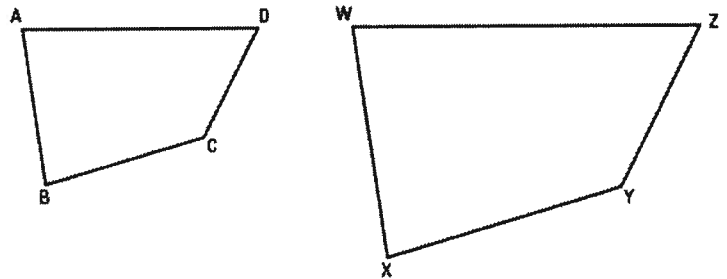


10)



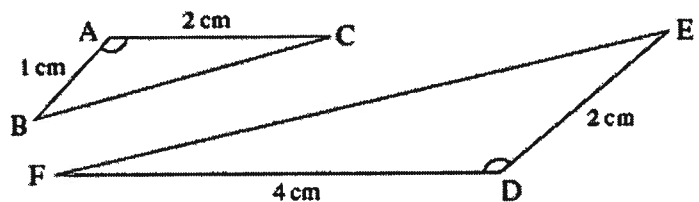
11. In the following pictures below write down all of the corresponding sides and corresponding angles between the two shapes.

$\angle A =$ _____ $\overline{AB} =$ _____
 $\angle B =$ _____ $\overline{BC} =$ _____
 $\angle C =$ _____ $\overline{CD} =$ _____
 $\angle D =$ _____ $\overline{DA} =$ _____



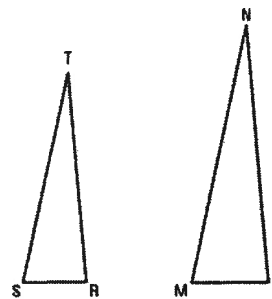
12. Which property proves that $\triangle ABC$ is similar to $\triangle DEF$?

- A. $\frac{AB}{DE} = \frac{AC}{DF}$
- B. $AC = ED$
- C. $\angle A = \angle D$
- D. $\frac{AC}{BC} = \frac{DE}{EF}$

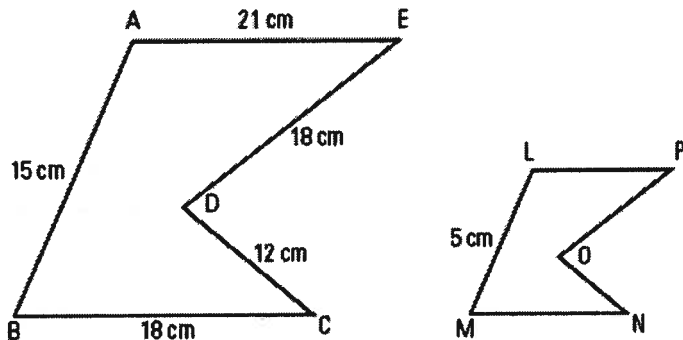


13. If $\triangle RST$ is similar to $\triangle LMN$ and angle measures of $\triangle LMN$ are as follows, what are the angle measures of $\triangle RST$?

$\angle L = 85^\circ$ $\angle M = 78^\circ$ $\angle N = 17^\circ$

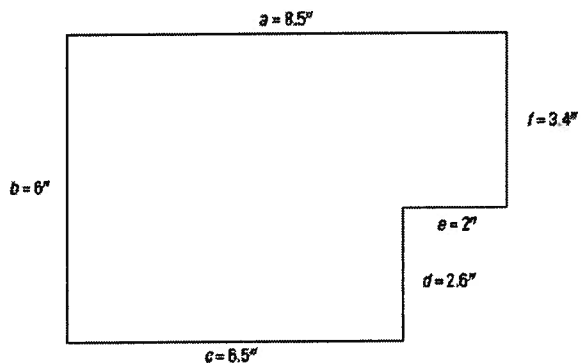


14. Find the lengths of the smaller figure.



$\overline{LP} = \underline{\hspace{2cm}}$
 $\overline{OP} = \underline{\hspace{2cm}}$
 $\overline{NO} = \underline{\hspace{2cm}}$
 $\overline{MN} = \underline{\hspace{2cm}}$

15. Stacey is bored and draws a scale drawing of her room. If the actual size of her longest wall A is 12.75', what is the size of all of her other walls in real life. Use corresponding sides to solve for each wall.



Wall A: 12.75'
 Wall B: $\underline{\hspace{2cm}}$
 Wall C: $\underline{\hspace{2cm}}$
 Wall D: $\underline{\hspace{2cm}}$
 Wall E: $\underline{\hspace{2cm}}$
 Wall F: $\underline{\hspace{2cm}}$