

Classwork PRACTICE

Given $\triangle CAT \sim \triangle DOG$.

1. Corresponding angles are congruent.

$$\angle C \cong \angle \underline{\hspace{2cm}} \qquad \angle T \cong \angle \underline{\hspace{2cm}} \qquad \angle A \cong \angle \underline{\hspace{2cm}}$$

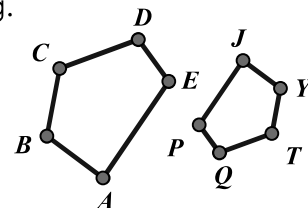
2. Corresponding sides are proportional.

$$\frac{CA}{\square} = \frac{\square}{OG} = \frac{CT}{\square}$$

3. Pentagon ABCDE is similar to Pentagon JYTQP. Complete the following.

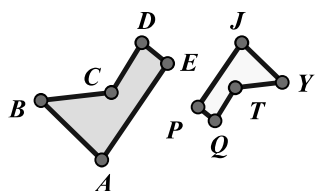
$$\angle E \cong \angle \underline{\hspace{2cm}} \qquad \frac{AB}{JY} = \frac{CD}{\square} \quad \underline{\hspace{2cm}} \qquad \frac{AB}{CD} = \frac{JY}{\square} \quad \underline{\hspace{2cm}}$$

$$\angle T \cong \angle \underline{\hspace{2cm}} \qquad \frac{TQ}{CD} = \frac{PJ}{\square} \quad \underline{\hspace{2cm}} \qquad \frac{CD}{DE} = \frac{TQ}{\square} \quad \underline{\hspace{2cm}}$$

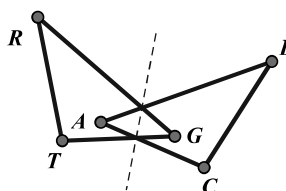


4. The two figures in each question are similar. Create the similarity statement from the diagram.

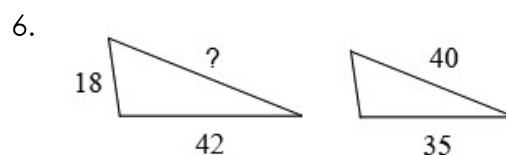
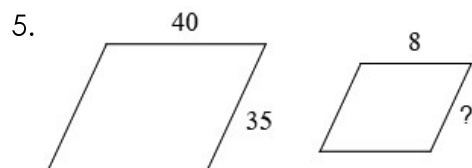
a) Pentagon ABCDE ~ _____



b) $\triangle ABC \sim \triangle$ _____

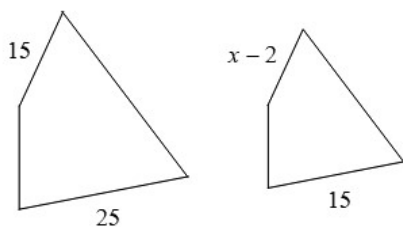


Find the missing side.

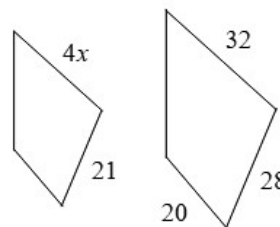


Now what about these?

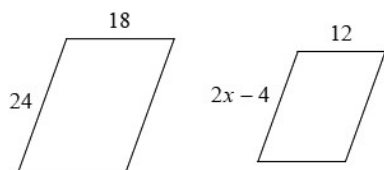
1. $x =$ _____



2. $x =$ _____



3. $x =$ _____



4. $x =$ _____

