

# Congruent Figures

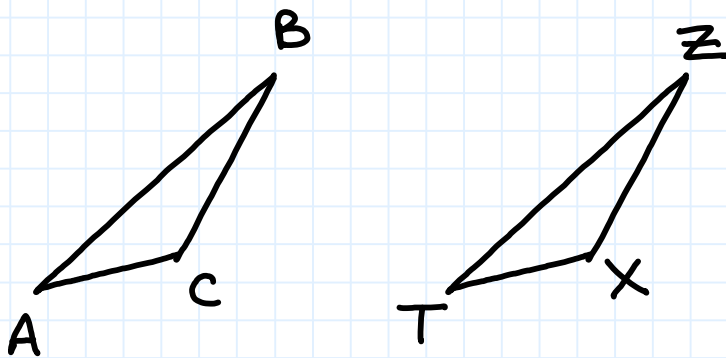


## Overview of problems

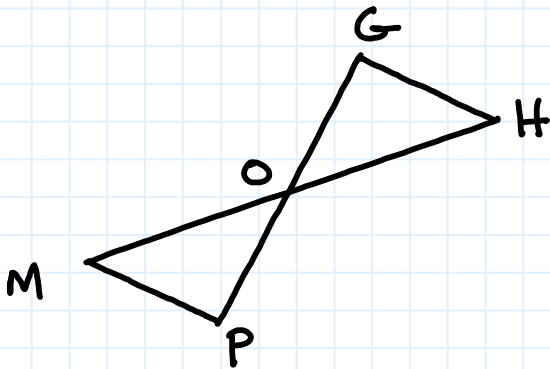


Example Set: A

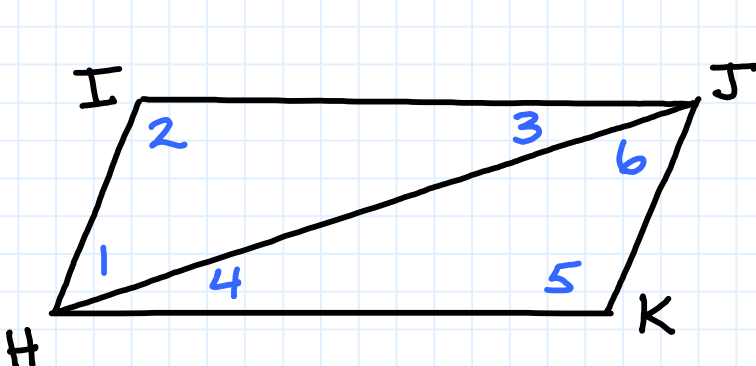
Determine the corresponding part of the given congruent figures



AC  $\parallel\parallel$  \_\_\_\_\_  
TZ  $\parallel\parallel$  \_\_\_\_\_  
CB  $\parallel\parallel$  \_\_\_\_\_



MP  $\parallel\parallel$  \_\_\_\_\_  
GO  $\parallel\parallel$  \_\_\_\_\_  
MO  $\parallel\parallel$  \_\_\_\_\_

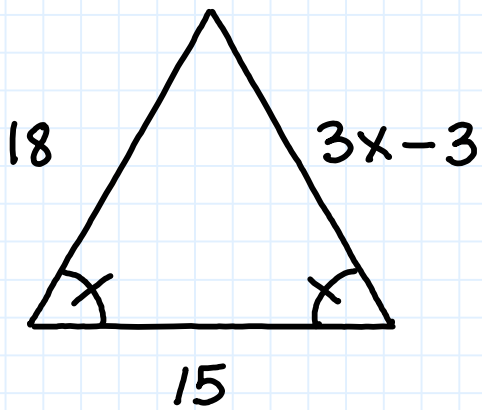
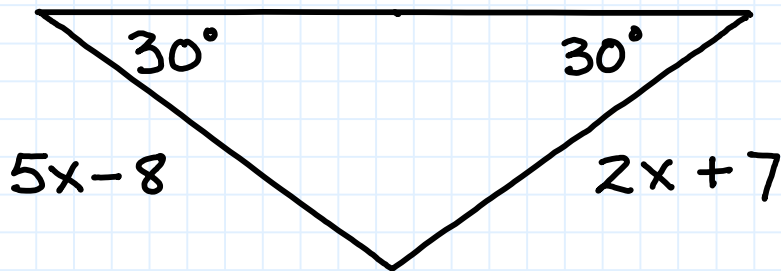
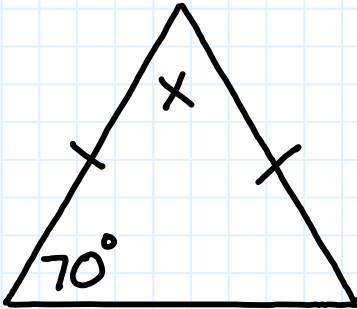


$\angle 2$   $\parallel\parallel$  \_\_\_\_\_  
 $\angle 4$   $\parallel\parallel$  \_\_\_\_\_  
HJ  $\parallel\parallel$  \_\_\_\_\_  
 $\angle 6$   $\parallel\parallel$  \_\_\_\_\_



# Example Set: B

Find the value of the variable



# Congruent Figures

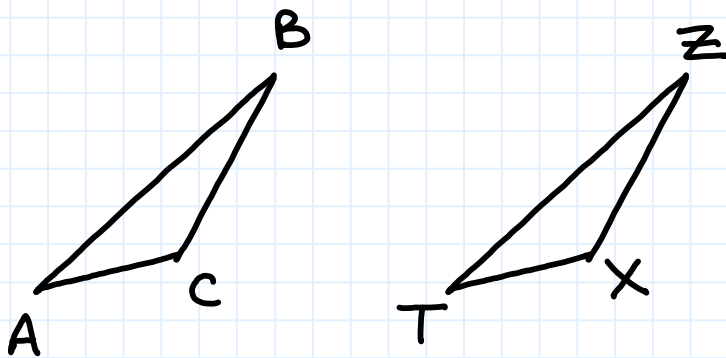


## Overview of problems- KEY

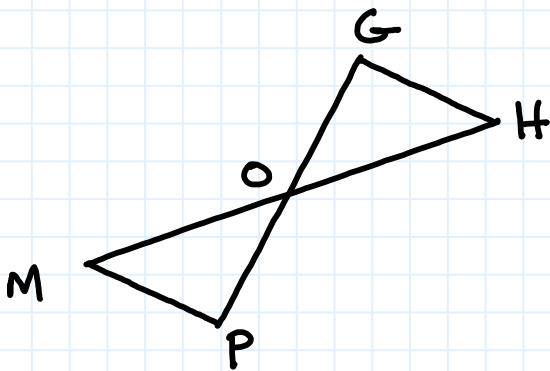


Example Set: A

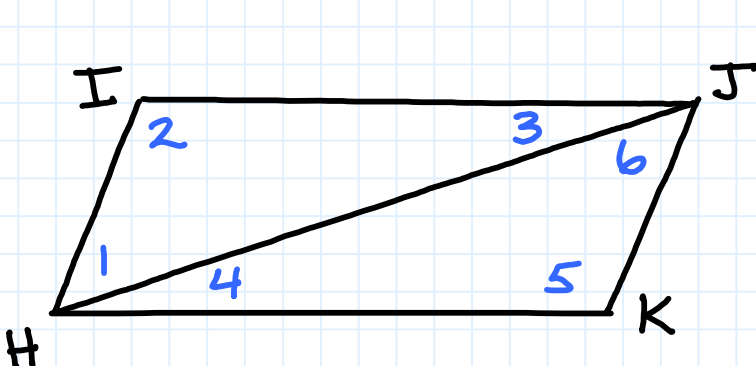
Determine the corresponding part of the given congruent figures



$AC \cong TX$   
 $TZ \cong AB$   
 $CB \cong ZX$



$MP \cong GH$   
 $GO \cong OP$   
 $MO \cong OH$

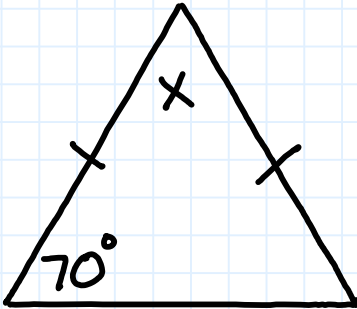


$\angle 2 \cong \angle 5$   
 $\angle 4 \cong \angle 3$   
 $HJ \cong HJ$   
 $\angle 6 \cong \angle 1$

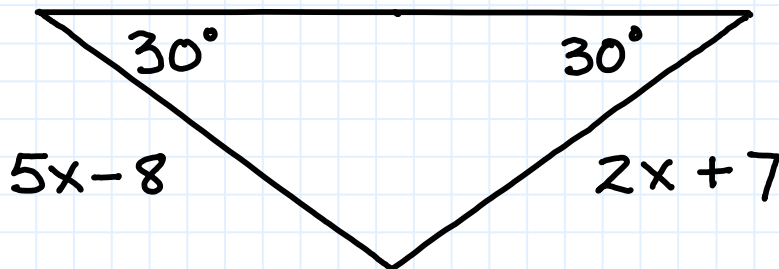


# Example Set: B

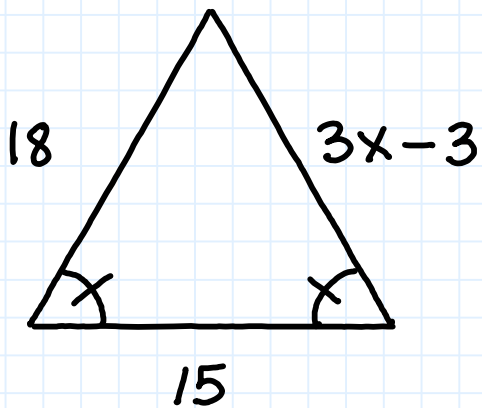
Find the value of the variable



$$x = 40^\circ$$



$$x = 5$$



$$x = 7$$