

## Math 4. Classwork #18



### Review of Homework: # 16

$$10x - (20y - 10x) - (y - x)(25 - 5) =$$

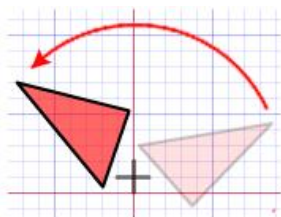
- 5.1 is what percent of 60?
  - 30 is 25% of what number?
  - What number is 13.4% of 17?
1. There are 40 students in the class and 25 of them are girls. Find the ratio of the number of boys to the number of girls in the class.
  2. The ratio of the length of wire A to the length of wire B is 7:4. Find the length of wire B if wire A is 21 meters long.
  3. Vlada and Michelle shared \$35 at the ratio of 4:3. How much money did Vlada receive?
  4. The ratio of the weight of Box A to the weight of Box B is 5:3. Find the total weight of both Boxes if the weight of Box A is 40 kg.



$$A : B = 5 : 3$$

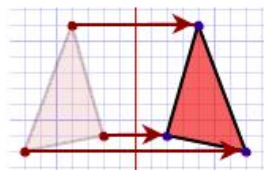
## Geometry:

Rotation



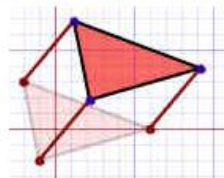
Turn!

Reflection

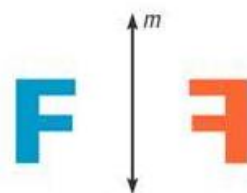
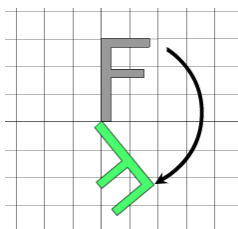
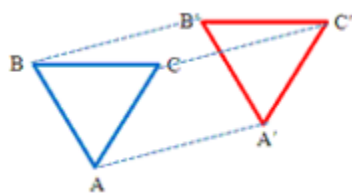


Flip!

Translation



Slide!



Line  $m$  is a line of reflection.

before glide reflection

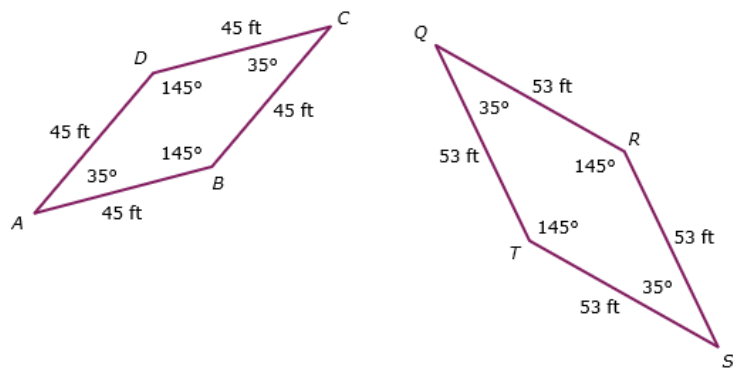


mirror line

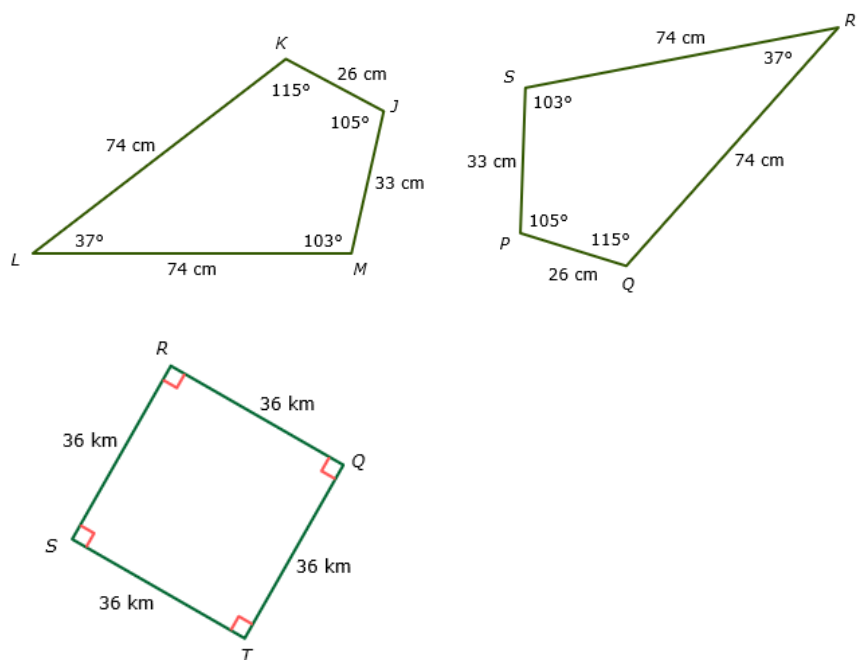


after glide reflection

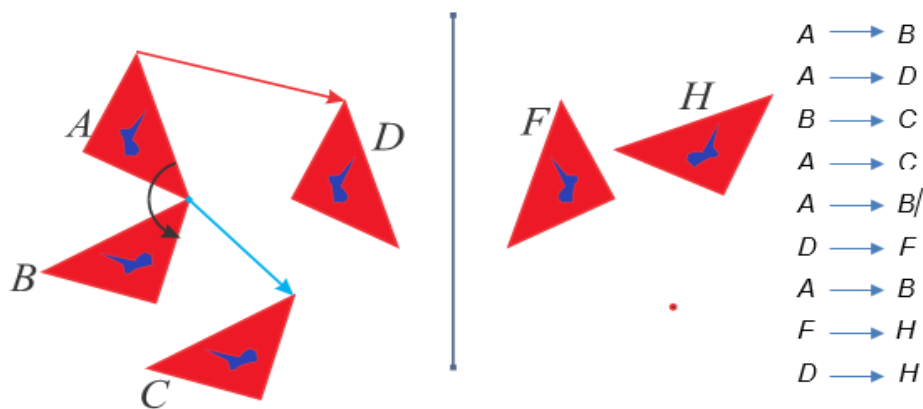
Are these shapes congruent?



Are these shapes congruent?



Which rigid motion is specified by letters?



Transform the given pre-image using coordinate notation:

A)  $(x, y) \rightarrow (x - 4, y + 3)$

B)  $(x, y) \rightarrow (-x, y)$

