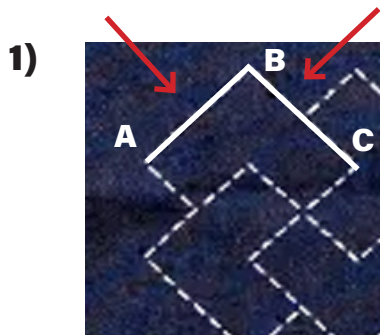


# Sashiko Mathematics

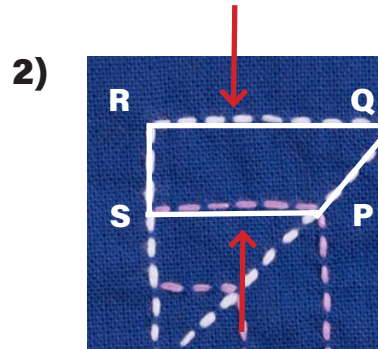
## Parallel and Perpendicular Lines: Shapes

### Part A

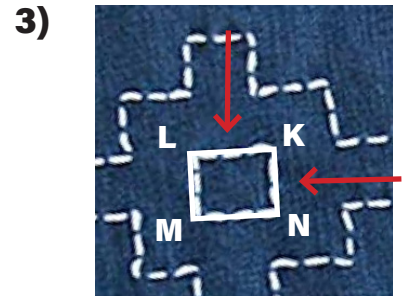
Write a relation between the line segments indicated by the arrows in each shape.



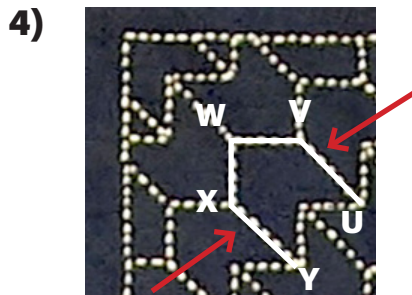
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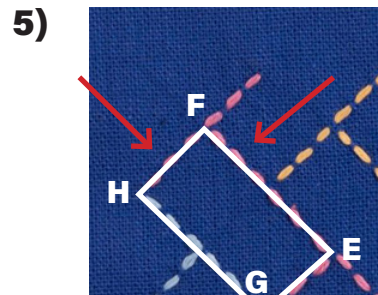
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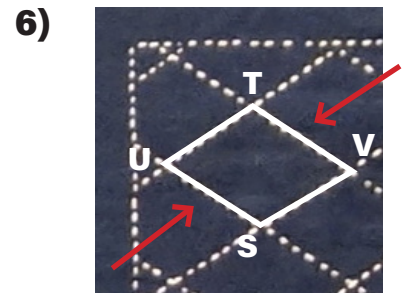
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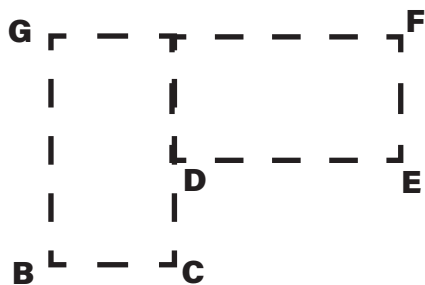
\_\_\_\_\_



\_\_\_\_\_

### Part B

Identify the pair of parallel and perpendicular line segments in each shape. Name them.



perpendicular line segments: \_\_\_\_\_

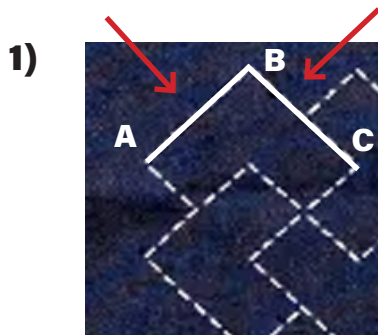
parallel line segments: \_\_\_\_\_

# Sashiko Mathematics

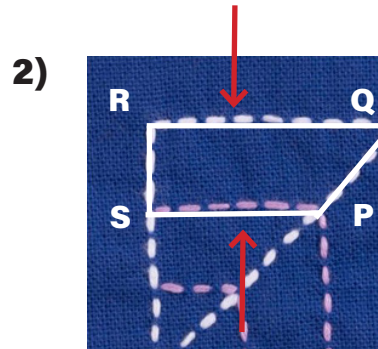
## Parallel and Perpendicular Lines: Shapes

### Part A

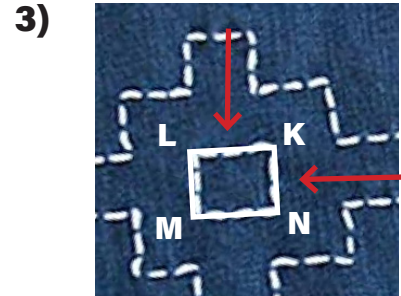
Write a relation between the line segments indicated by the arrows in each shape.



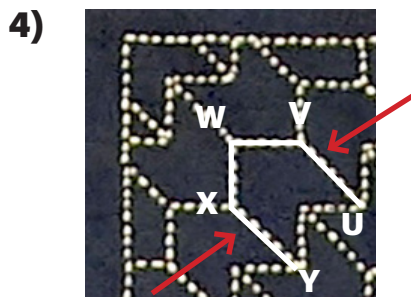
$$\overline{AB} \perp \overline{BC}$$



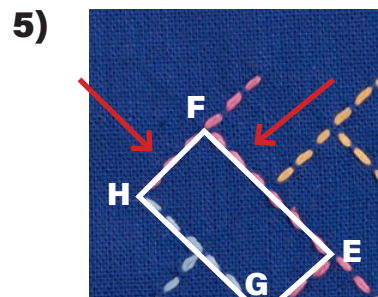
$$\overline{SP} \parallel \overline{RQ}$$



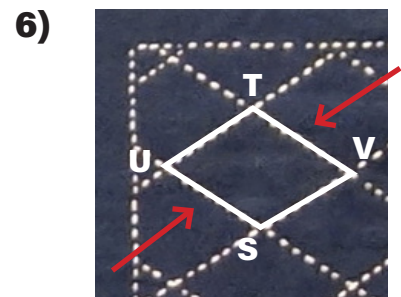
$$\overline{LK} \perp \overline{KN}$$



$$\overline{XY} \parallel \overline{YU}$$



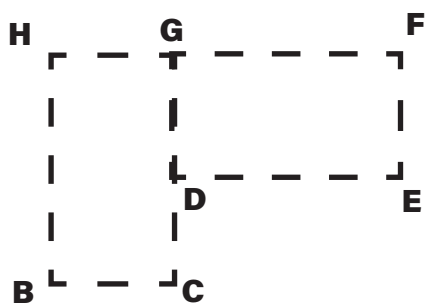
$$\overline{HF} \perp \overline{FE}$$



$$\overline{US} \parallel \overline{TV}$$

### Part B

Identify the pair of parallel and perpendicular line segments in each shape. Name them.



perpendicular  
line segments:

5 pairs of perpendicular line segments

$\overline{BH} \perp \overline{HG}$ ,  $\overline{GF} \perp \overline{FE}$ ,  $\overline{ED} \perp \overline{DC}$ ,  $\overline{ED} \perp \overline{DG}$ ,  $\overline{CB} \perp \overline{BH}$

parallel line  
segments:

6 pairs of parallel line segments

$\overline{BH} \parallel \overline{CD}$ ,  $\overline{BH} \parallel \overline{DG}$ ,  $\overline{BH} \parallel \overline{FE}$ ,  $\overline{BC} \parallel \overline{HG}$ ,  $\overline{DE} \parallel \overline{GF}$

$\overline{BC} \parallel \overline{GF}$