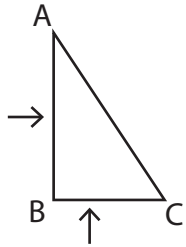


# Parallel and Perpendicular Lines : Shapes

## Part - A

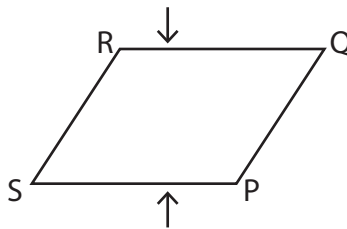
Write a relation between the line segments indicated by the arrows in each shape.

1)



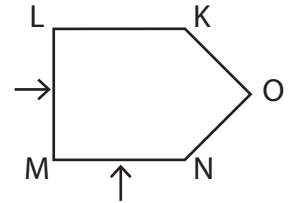
\_\_\_\_\_

2)



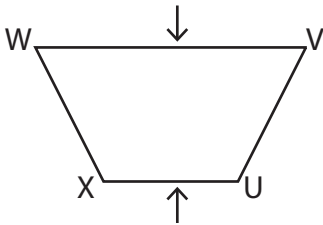
\_\_\_\_\_

3)



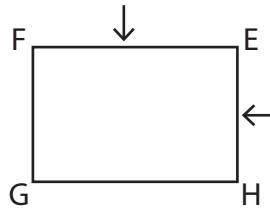
\_\_\_\_\_

4)



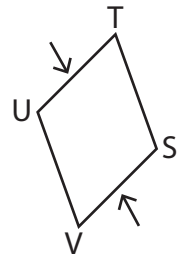
\_\_\_\_\_

5)



\_\_\_\_\_

6)

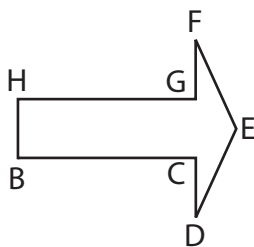


\_\_\_\_\_

## Part - B

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

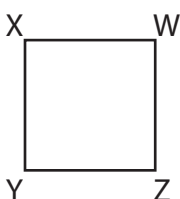
7)



Perpendicular line segments: \_\_\_\_\_

Parallel line segments: \_\_\_\_\_

8)



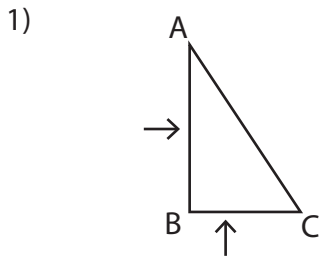
Perpendicular line segments: \_\_\_\_\_

Parallel line segments: \_\_\_\_\_

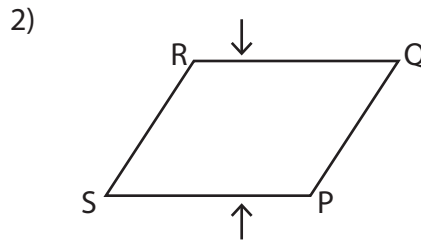
**Parallel and Perpendicular Lines : Shapes**

**Part - A**

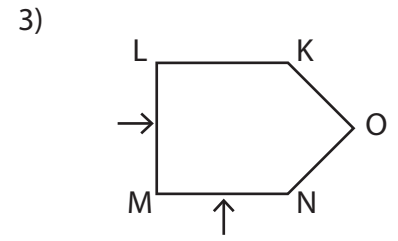
Write a relation between the line segments indicated by the arrows in each shape.



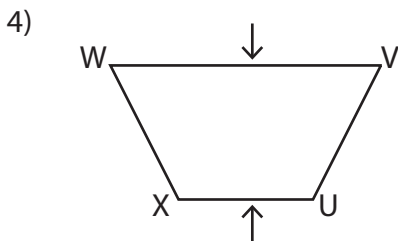
$\overline{AB} \perp \overline{BC}$



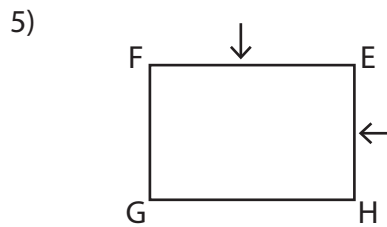
$\overline{SP} \parallel \overline{RQ}$



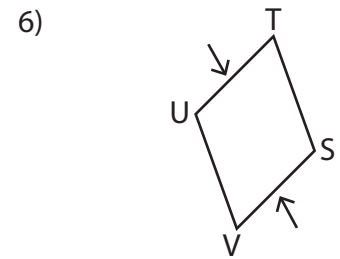
$\overline{LM} \perp \overline{MN}$



$\overline{WV} \parallel \overline{XU}$



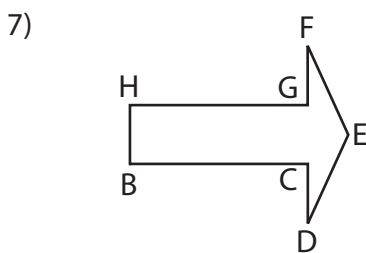
$\overline{FE} \perp \overline{EH}$



$\overline{VS} \parallel \overline{UT}$

**Part - B**

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



Perpendicular line segments:

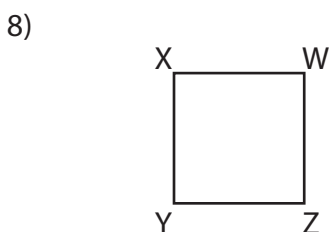
**Four pairs of perpendicular line segments**

$\overline{HB} \perp \overline{BC}, \overline{BC} \perp \overline{CD}, \overline{FG} \perp \overline{GH} \text{ and } \overline{GH} \perp \overline{HB}$

Parallel line segments:

**One pair of parallel line segments**

$\overline{HG} \parallel \overline{BC}$



Perpendicular line segments:

**Four pairs of perpendicular line segments**

$\overline{YZ} \perp \overline{ZW}, \overline{ZW} \perp \overline{WX}, \overline{WX} \perp \overline{XY} \text{ and } \overline{XY} \perp \overline{YZ}$

Parallel line segments:

**Two pairs of parallel line segments**

$\overline{YZ} \parallel \overline{XW} \text{ and } \overline{ZW} \parallel \overline{YX}$