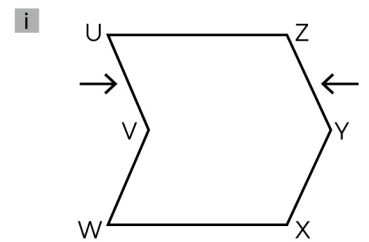
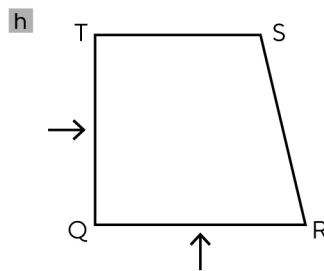
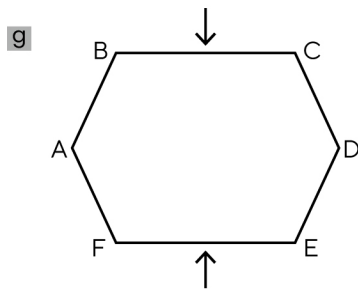
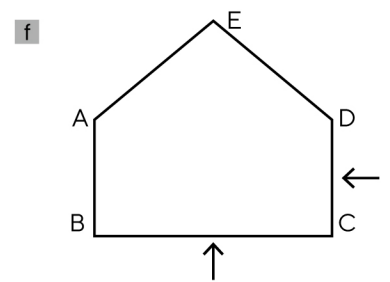
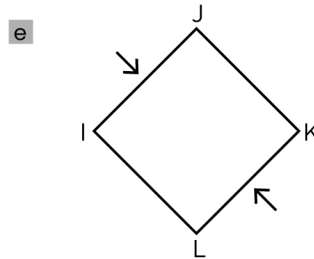
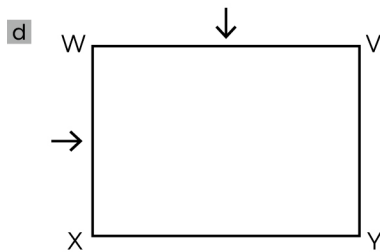
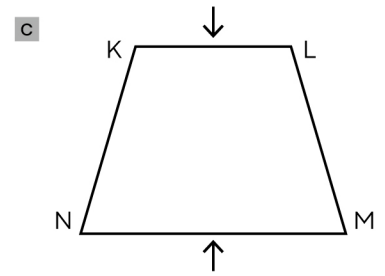
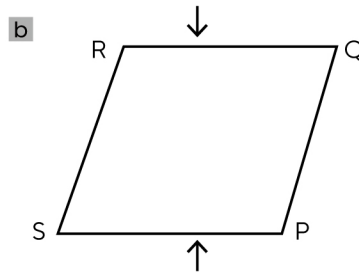
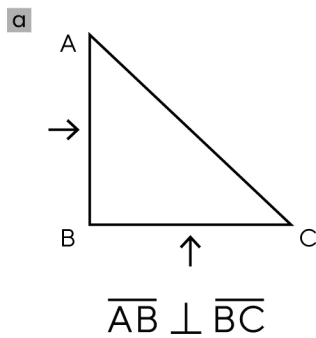
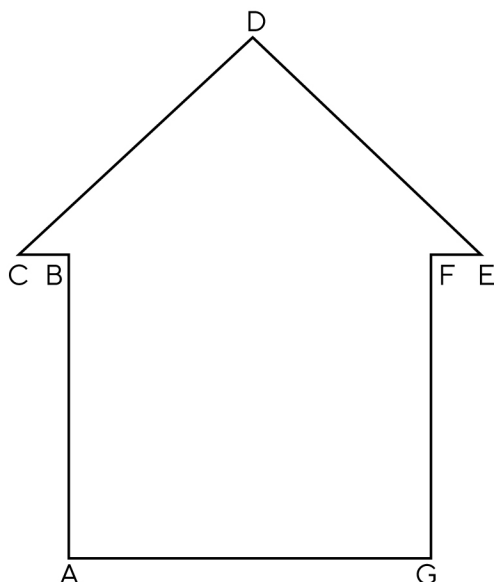


Worksheet on Parallel and Perpendicular Lines

1. Identify and establish the relation between the highlighted lines. One is done for you.



2. Find the number of pairs of parallel or perpendicular line segments in the given shape and answer the following questions.

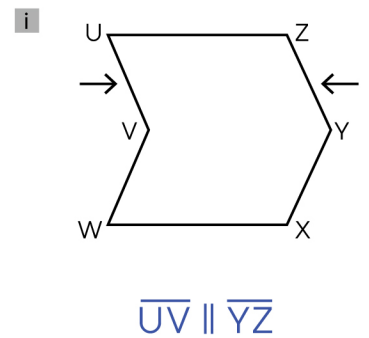
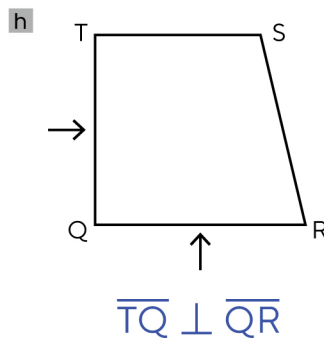
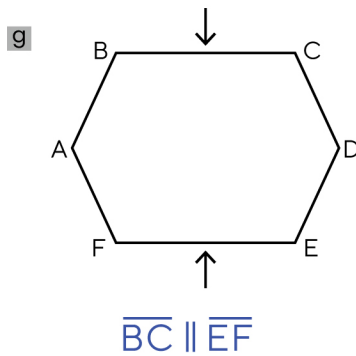
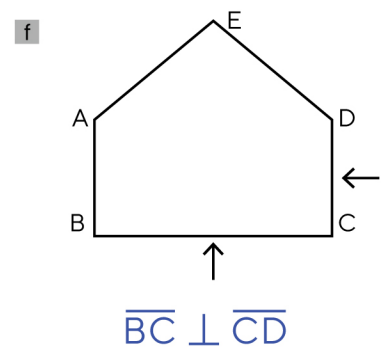
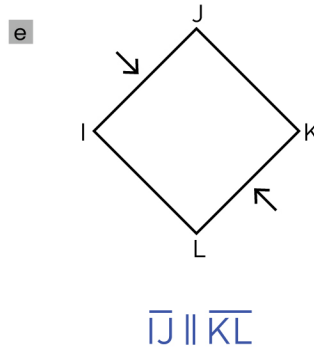
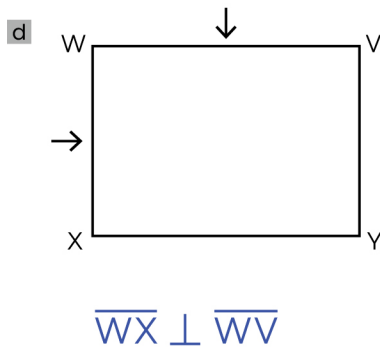
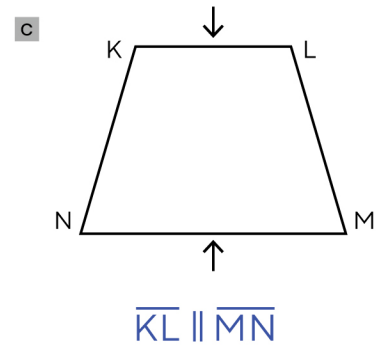
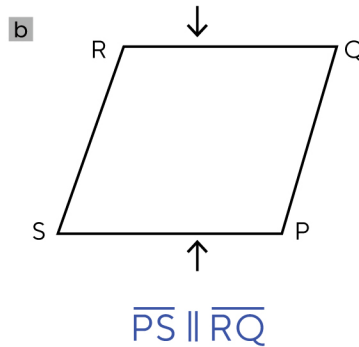
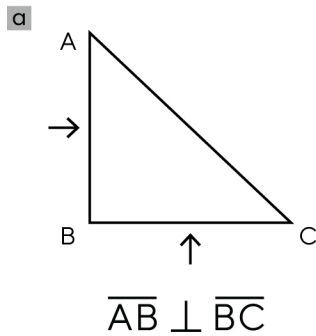


- No. of perpendicular line segment pairs
- Name them with the \perp sign connecting the pairs
- No. of parallel line segment pairs
- Name them with the \parallel sign connecting the pairs

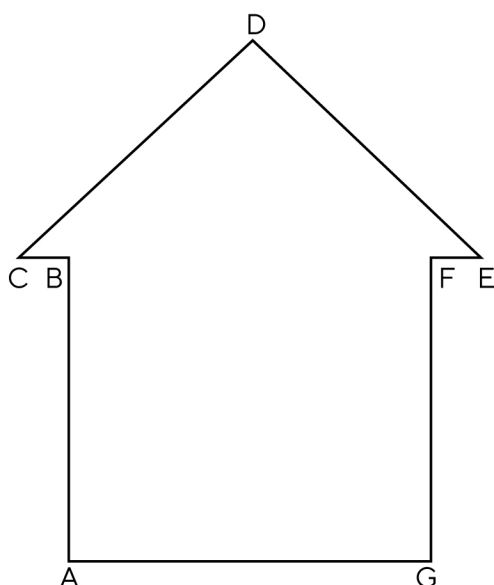
Worksheet on Parallel and Perpendicular Lines

1.

Answers



2.



a No. of perpendicular line segment pairs

Four

b Name them with the \perp sign connecting the pairs

$\overline{AG} \perp \overline{GF}$, $\overline{GF} \perp \overline{FE}$, $\overline{BC} \perp \overline{AB}$, $\overline{AG} \perp \overline{AB}$

c No. of parallel line segment pairs

One

d Name them with the \parallel sign connecting the pairs

$\overline{AB} \parallel \overline{FG}$