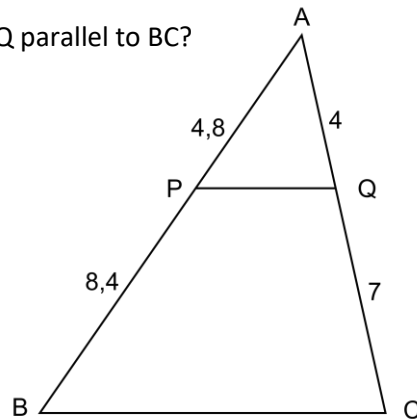


EUCLIDEAN GEOMETRY 3: QUIZ SOLUTIONS

Question 1

In the diagram, Is PQ parallel to BC?



A. Yes

B. No

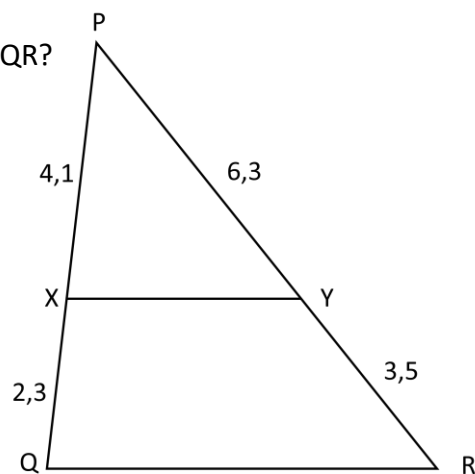
Solution

From the diagram $\frac{AQ}{QC} = \frac{4}{7}$ and $\frac{AP}{PB} = \frac{4,8}{8,4} = \frac{4}{7}$
 $\therefore PQ \parallel BC$

So, the correct answer is A.

Question 2

In the diagram, is XY parallel to QR?



A. Yes

B. No

Solution

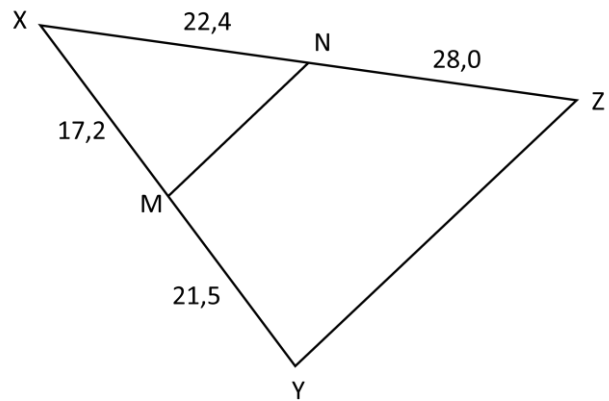
From the diagram $\frac{PX}{XQ} = \frac{4,1}{2,3} = 1,78...$ and $\frac{PY}{YR} = \frac{6,3}{3,5} = 1,8$

This means XY is not parallel to QR.

So, the correct answer is B.

Question 3

In the diagram, Is MN parallel to YZ?



A. Yes

B. No

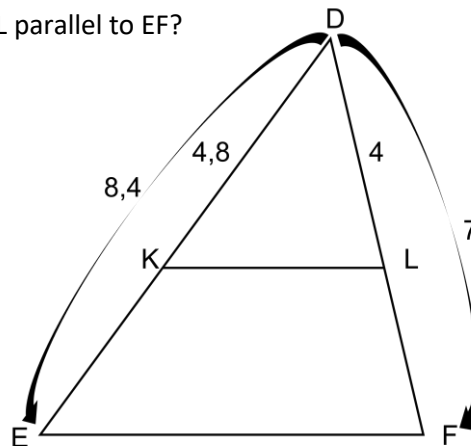
Solution

From the diagram $\frac{XM}{MY} = \frac{17,2}{21,5} = 0,8$ and $\frac{XN}{NZ} = \frac{22,4}{28,0} = 0,8$
 $\therefore MN \parallel YZ$

So, the correct answer is A.

Question 4

In the diagram, Is KL parallel to EF?



A. Yes

B. No

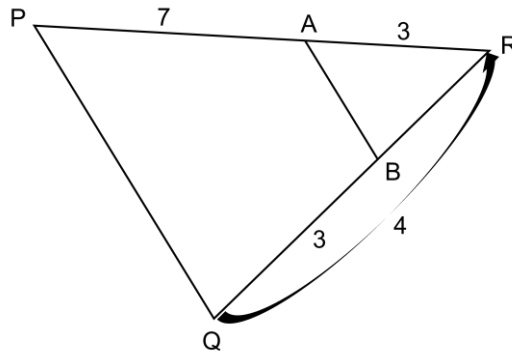
Solution

From the diagram $\frac{DK}{DE} = \frac{4,8}{8,4} = \frac{4}{7}$ and $\frac{DL}{DF} = \frac{4}{7}$
 $\therefore KL \parallel EF$

So, the correct answer is A.

Question 5

In the diagram, Is AB parallel to PQ?



A. Yes

B. No

Solution

From the diagram $\frac{RA}{AP} = \frac{3}{7}$ and $\frac{RB}{BQ} = \frac{1}{3}$

This means AB is not parallel to PQ.

So, the correct answer is B.