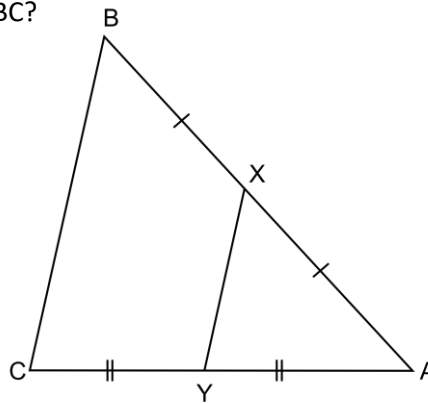


EUCLIDEAN GEOMETRY 5: QUIZ SOLUTIONS

Question 1

In the diagram, is XY parallel to BC ?



A. Yes

B. No

Solution

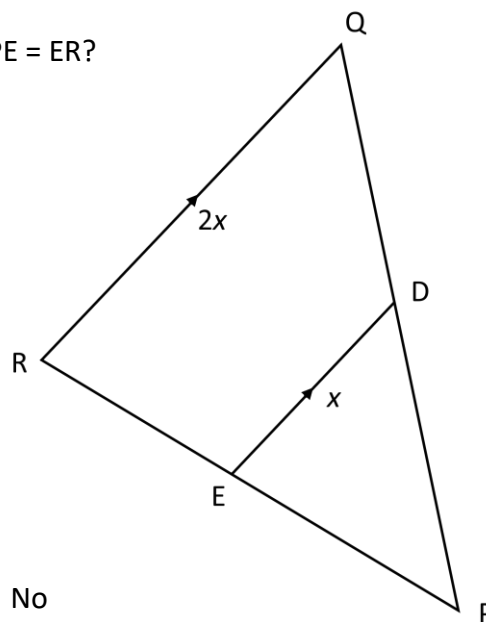
X is the mid-point of AB and Y is the mid-point of AC .

This means that $XY \parallel BC$.

So, the correct answer is A.

Question 2

In the diagram, is $PE = ER$?



A. Yes

B. No

Solution

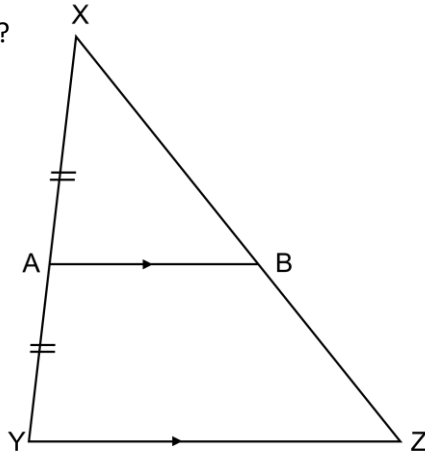
$ED \parallel RQ$ and $RQ = 2ED$

This means that E is the mid-point of PR .

So, the correct answer is A.

Question 3

In the diagram, is $2AB = YZ$?



A. Yes

B. No

Solution

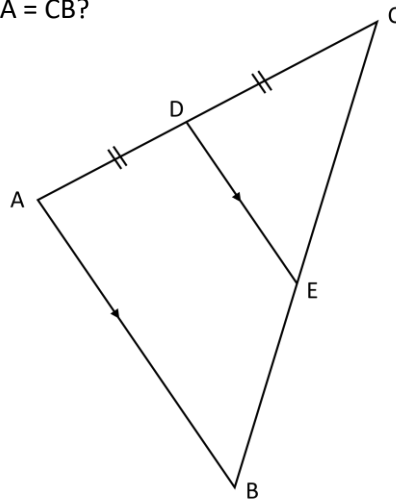
$AB \parallel YZ$ and A is the mid-point of XY.

This means that B is the mid-point of XZ and $2AB = YZ$.

So, the correct answer is A.

Question 4

In the diagram, is $CA = CB$?



A. Yes

B. No

Solution

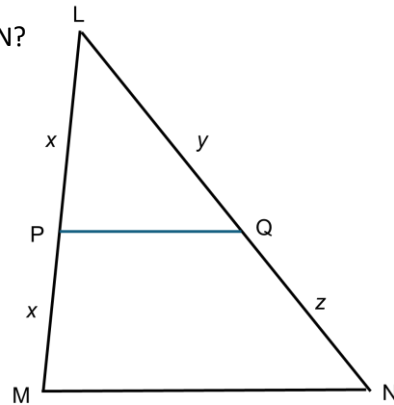
$CD = DA$ and $DE \parallel AB$.

This means that E is the mid-point of CB, but nothing else.

So, the correct answer is B.

Question 5

In the diagram, is PQ parallel to MN?



A. Yes

B. No

Solution

From the diagram, P is the mid-point of LM.

For PQ to be parallel to MN, we would need to know that $y = z$.

So, the correct answer is D.