
Is "MNP isosceles?"

Posted by Ravikant - 2008/05/15 19:45

need help on this question..

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- (1) Exactly two of the angles, M and N, have the same measure
- (2) N and P do not have the same measure.

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Re:Is "MNP isosceles?"

Posted by bhavin - 2008/05/17 21:23

Ravikant wrote:

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- (1) Exactly two of the angles, M and N, have the same measure
- (2) N and P do not have the same measure.

hi ravikant ...let us consider the solution of this problem..

Statement 1:

It says that two of the angles M and N have same measure...but it does not give any information about third angle P, which could or could not be equal to measure angle M and N. Hence statement 1 alone is not sufficient.

Statement 2:

It says N and P do not have same measure..But it gives no information about angle M, which could or could not be equal to measure angles N or P. Hence statement 2 alone is also not sufficient .

Consider statement 1 & 2 combined :

It says M and N have same measure and N and P do not have same measure, which implies exactly 2 angles M and N have equal measure and hence triangle MNP is isosceles.

Hence statement 1 & 2 combined is sufficient to solve the problem.

Ans : C

keep going..

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