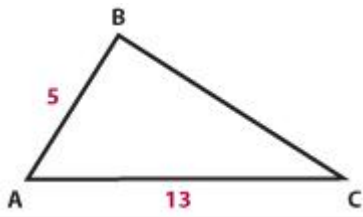


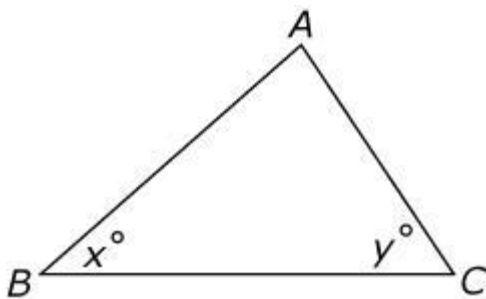
1



What is the length of segment BC?

- (1) Angle ABC is 90 degrees.
- (2) The area of the triangle is 30.

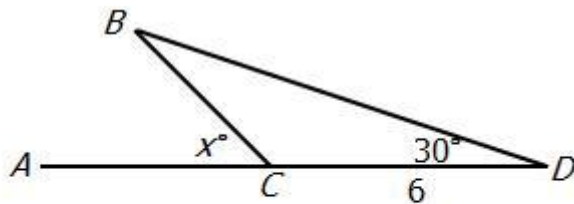
2



Is triangle ABC isosceles?

- (1) x does not equal $y \rightarrow$ angles at the side BC are not equal \rightarrow , but the third side, BC, can be equal to either of them. Not sufficient.
- (2) $AB/BC=2$

3



If $CD = 6$, what is the length of BC?

- (1) $BD = 6\sqrt{3}$
- (2) $x = 60$