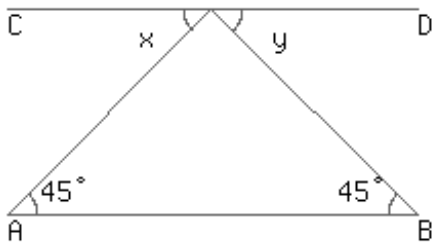


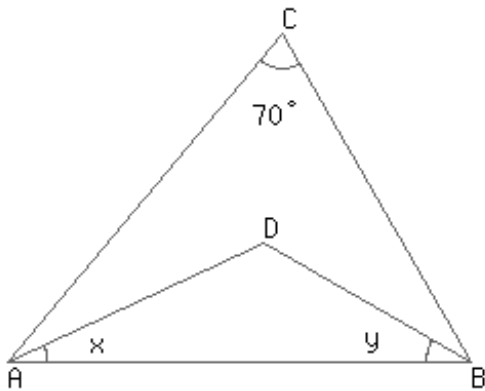
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Answer the questions

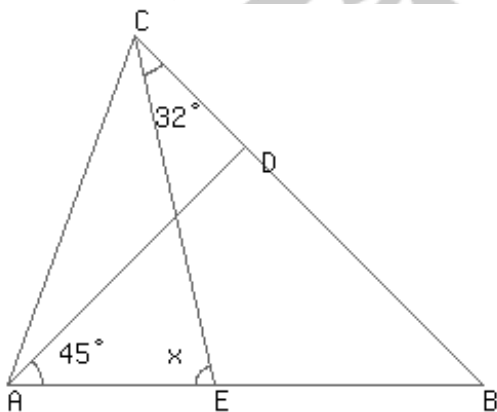
- (1) What is the angle between hour and minute hands, when clock shows 10:00 o'clock ?
- (2) If AB and CD are parallel, find the value of $x+y$.



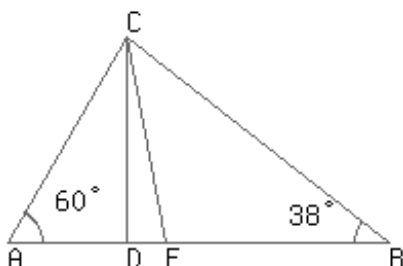
- (3) If AD and BD are bisectors of $\angle CAB$ and $\angle CBA$ respectively, find sum of angle x and y.



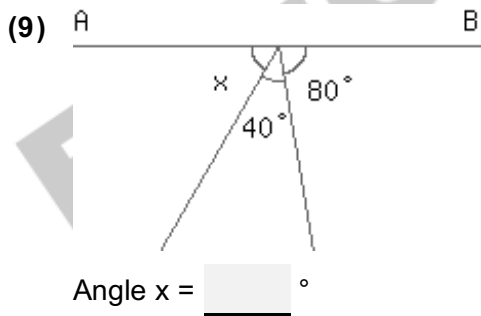
- (4) If $\angle ADB$ is a right angle, find the value of angle x.



- (5) If CD is perpendicular to AB, and CE bisect angle $\angle ACB$, find the angle $\angle DCE$.

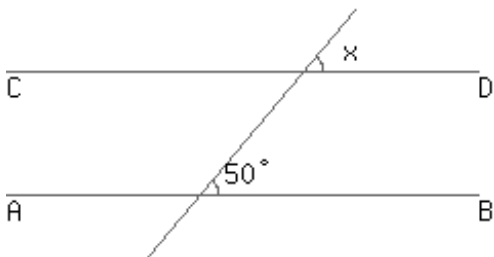


Fill in the blanks

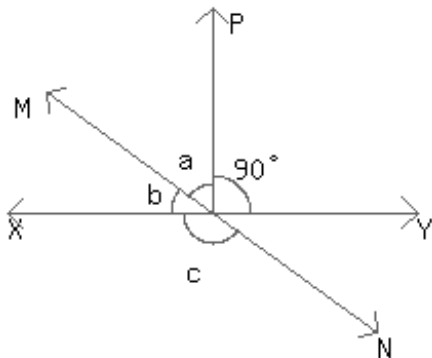


(10) ABC is an isosceles triangle with $AB=AC$. We extend the segment AB to D such that $AB=AD$. The value of $\angle BCD = \underline{\hspace{2cm}}$ °?

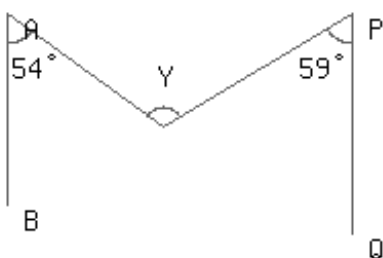
(11) If AB and CD are parallel, value of angle x is °.



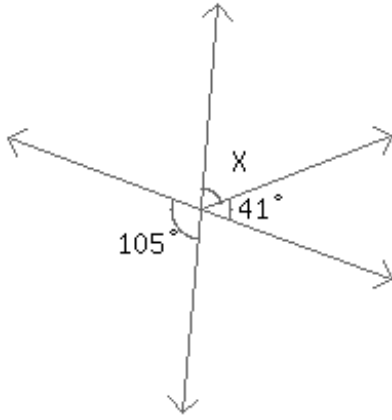
(12) If lines XY and MN intersect as shown below and $a:b = 3:2$, angle $c = \underline{\hspace{2cm}}$ °.



(13) If AB and PQ are parallel, Value of angle Y is °.



(14) Value of angle X is °



Check True/False

(15) A triangle can have two obtuse angles.

True False



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Answers

- (1) 60°
(2) 90°
(3) 55°
(4) 77°
(5) 11°
(6) a. Two angles are obtuse angles
(7) c. 97°
(8) a. b and a
(9) 60
(10) 90
(11) 50
(12) 144
(13) 113
(14) 64
(15) False