L sheet 2

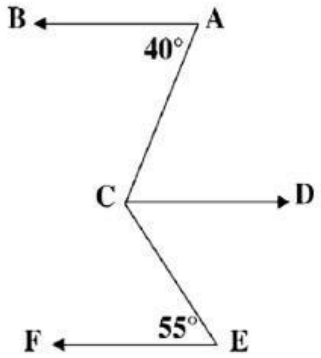
Geometry

Q. 1

In the opposite figure:

m (∠ A) = 40° , m (∠ E) = 55°, $\overrightarrow{AB}$ // $\overrightarrow{EF}$ and $\overrightarrow{AB}$ // $\overrightarrow{CD}$

Find: m (∠ACE)



Q. 2

In the opposite figure:

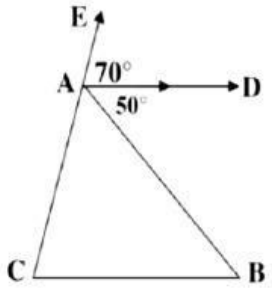
$\overrightarrow{AD}$ // $\overrightarrow{BC}$, m (∠ DAE) = 70° and m (∠DAB) = 50°

Find: the measures of the triangle ABC

$m\angle A =$

$m\angle B =$

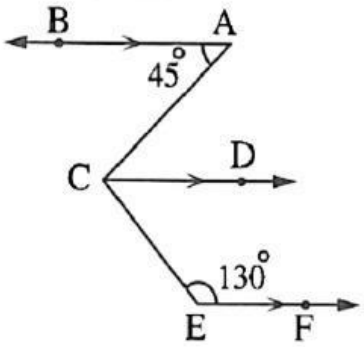
$m\angle C =$



Q. 3

$\overrightarrow{AB}$ // $\overrightarrow{CD}$ // $\overrightarrow{EF}$

Find: m (∠ ACE)



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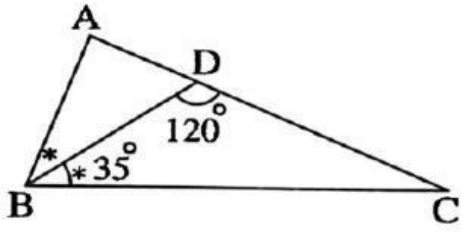
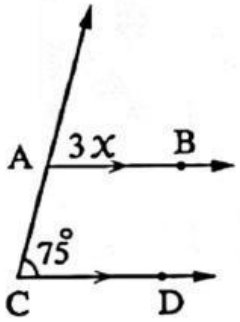
Q. 4

Find m (∠A)



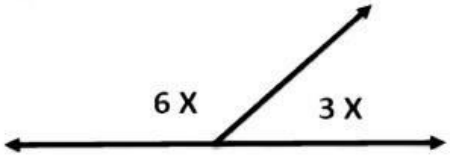
Q. 5

If $\overrightarrow{AB}$ // $\overrightarrow{CD}$, then x = ...



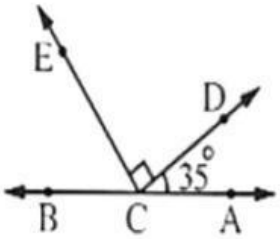
Q. 6

The value of X = ...



Q. 7

In the opposite figure m (∠ ECB) = ...



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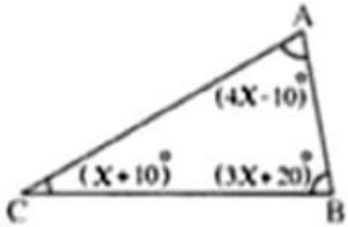
Q. 8

In the opposite figure :

ABC is a triangle in which m (∠ A) = (4 X – 10)°

, m (∠ B) = (3 X + 20)° , m (∠ C) = (X + 10)°

Find the measures of the angles of the triangle.



$m\angle A =$

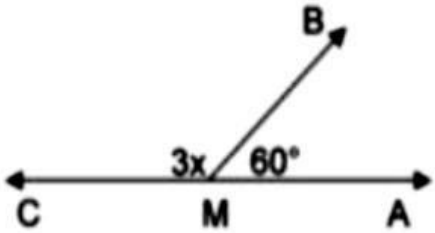
$m\angle B =$

$m\angle C =$

Q. 9

In the opposite figure : If $\overleftrightarrow{MB} \cap \overleftrightarrow{AC}$ = {M}, m (∠ AMB) = 60°, then the value of

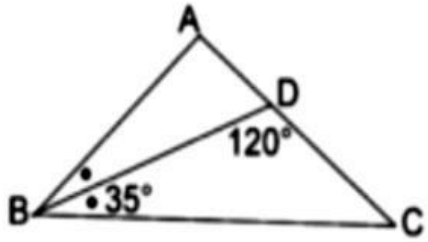
x = ... °.



Q. 10

In the opposite figure $\overrightarrow{BD}$ bisects ∠ ABC , m (∠ DBC) = 35°, m (∠ BDC) = 120°.

Find m (∠ A) with degrees.



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