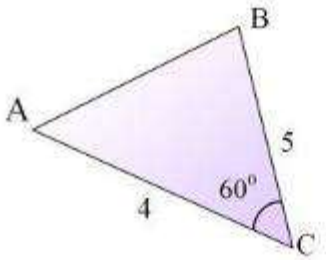
Теоремы синусов и косинусов

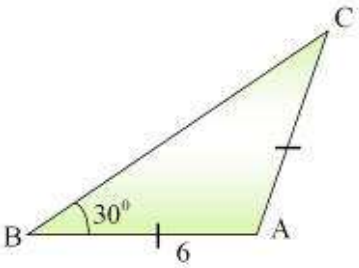
Задача 1



$CB = 5, AC = 4$
$\angle ACB = 60^0$

$AB - ?$

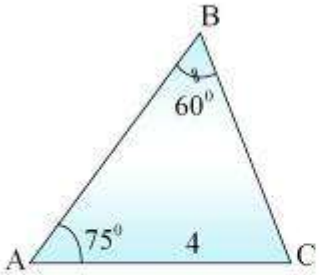
Задача 2



$AB = AC, AB = 6$
$\angle ABC = 30^0$

$BC - ?$

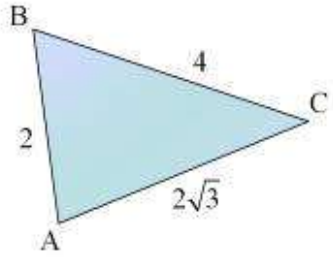
Задача 3



$AC = 4, \angle BAC = 75^0$
$\angle ABC = 60^0$

$AB - ?$

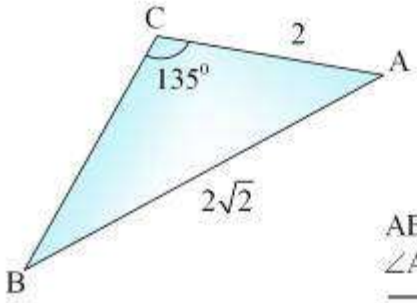
Задача 4



$AB = 2, BC = 4,$
$AC = 2\sqrt{3}$

$\angle B - ?$

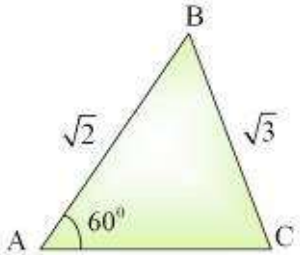
Задача 5



$AB = 2\sqrt{2}, AC = 2,$
$\angle ACB = 135^0$

$\angle A - ?$

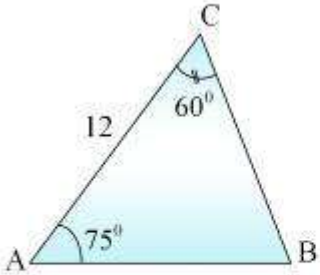
Задача 6



$AB = \sqrt{2}, BC = \sqrt{3}$
$\angle BAC = 60^0$

$\angle B - ?$

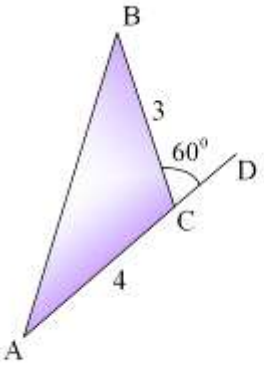
Задача 7



$AC = 12, \angle BAC = 75^0$
$\angle BCA = 60^0$

$AB - ?$

Задача 8

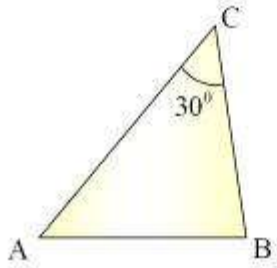


$AC = 4, BC = 3$
$\angle DCB = 60^0$

$AB - ?$

Теоремы синусов и косинусов

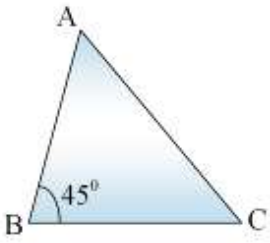
Задача 9



$d = 14$

$AB - ?$

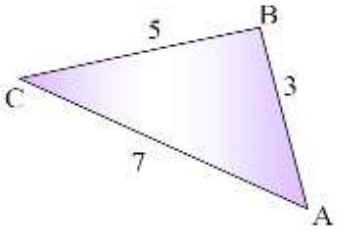
Задача 10



$AC = 4\sqrt{2}$

$R - ?$

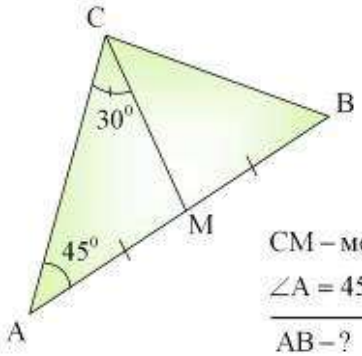
Задача 11



$AC = 7, BC = 5,$
$AB = 3$

$\angle B - ?$

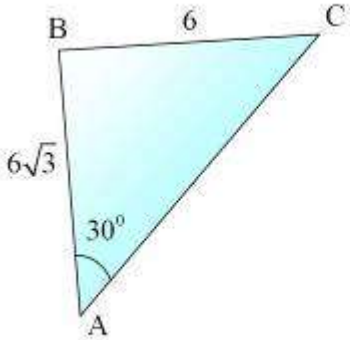
Задача 12



CM – медиана, $CM = \frac{13\sqrt{2}}{4}$,
$\angle A = 45^0, \angle ACM = 30^0$

$AB - ?$

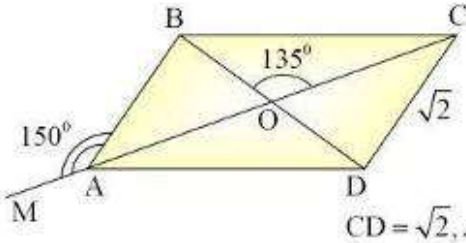
Задача 13



$AB = 6\sqrt{3}, BC = 6,$
$\angle CAB = 30^0$

$\angle B - ? \angle C - ?$

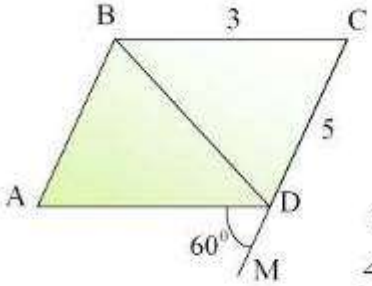
Задача 14



$CD = \sqrt{2}, \angle BOC = 135^0,$
$\angle MAB = 150^0$

$BD - ?$

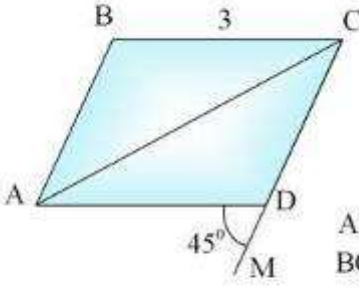
Задача 15



$BC = 3, CD = 5,$
$\angle ADM = 60^0$

$BD - ?$

Задача 16

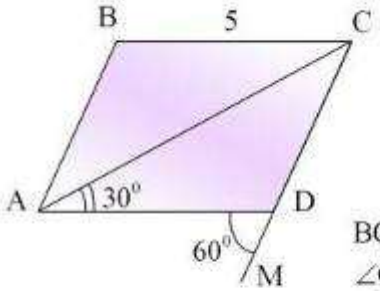


$ABCD$ – ромб,
$BC = 3, \angle ADM = 45^0$

$AC - ?$

Теоремы синусов и косинусов

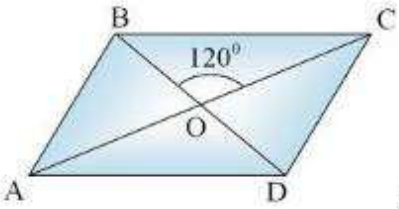
Задача 17



$BC = 3, \angle ADM = 60^0$
$\angle CAD = 30^0$

$AC - ?$

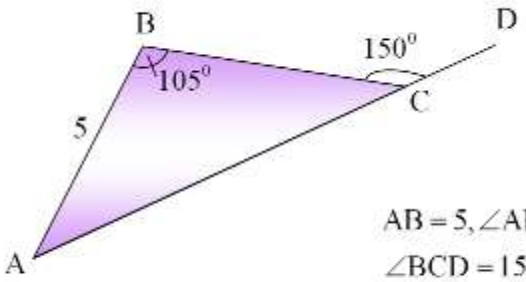
Задача 18



$AC = 10, BD = 6,$
$\angle BOC = 120^0$

$P_{ABCD} - ?$

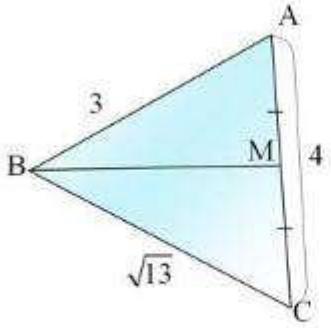
Задача 19



$AB = 5, \angle ABC = 105$
$\angle BCD = 150^0$

$BC - ?$

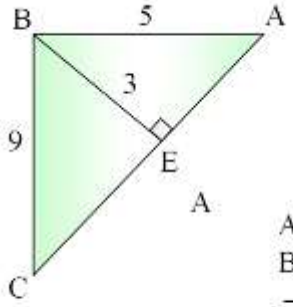
Задача 20



$AB = 3, AC = 4,$
$CB = \sqrt{13}$
BM – медиана

$BM - ?$

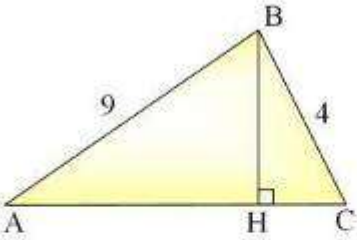
Задача 21*



$AB = 5, BC = 9,$
$BE \perp AC, BE = 3$

$R_{ABC} - ?$

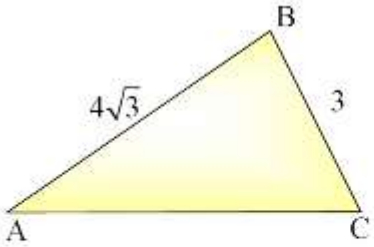
Задача 22*



$AB = 9, BC = 4,$
$R = 6, BH \perp AC$

$BH - ?$

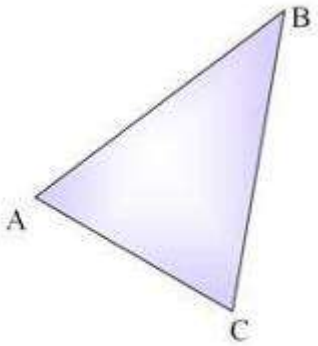
Задача 23*



$AB = 4\sqrt{3}, BC = 3,$
$S_{ABC} = 3\sqrt{3}$

$AC - ?$

Задача 24*

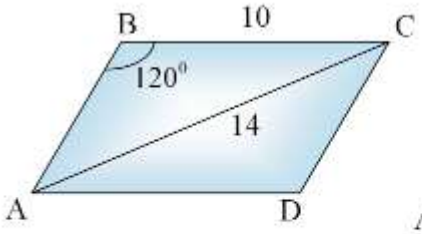


$AB : BC : R = \sqrt{3} : \sqrt{2} : 1$

$\angle A, \angle B - ? \angle C - ?$

Теоремы синусов и косинусов

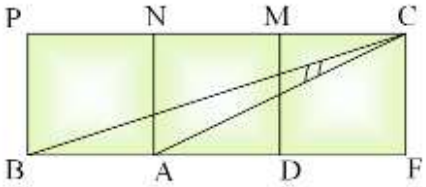
Задача 25*



$AC = 14, BC = 10,$
$\angle B = 120^0$

$AB - ?$

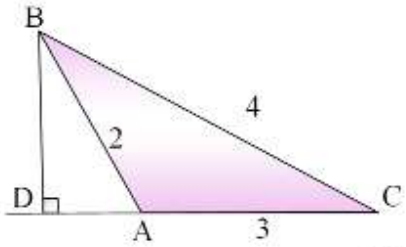
Задача 26*



BPNA, ANMD,
DMCF – квадраты

$\cos \angle BCA - ?$

Задача 27*



$AB = 2, BC = 4,$
$AC = 3, BD \perp AC$

$BD - ?$