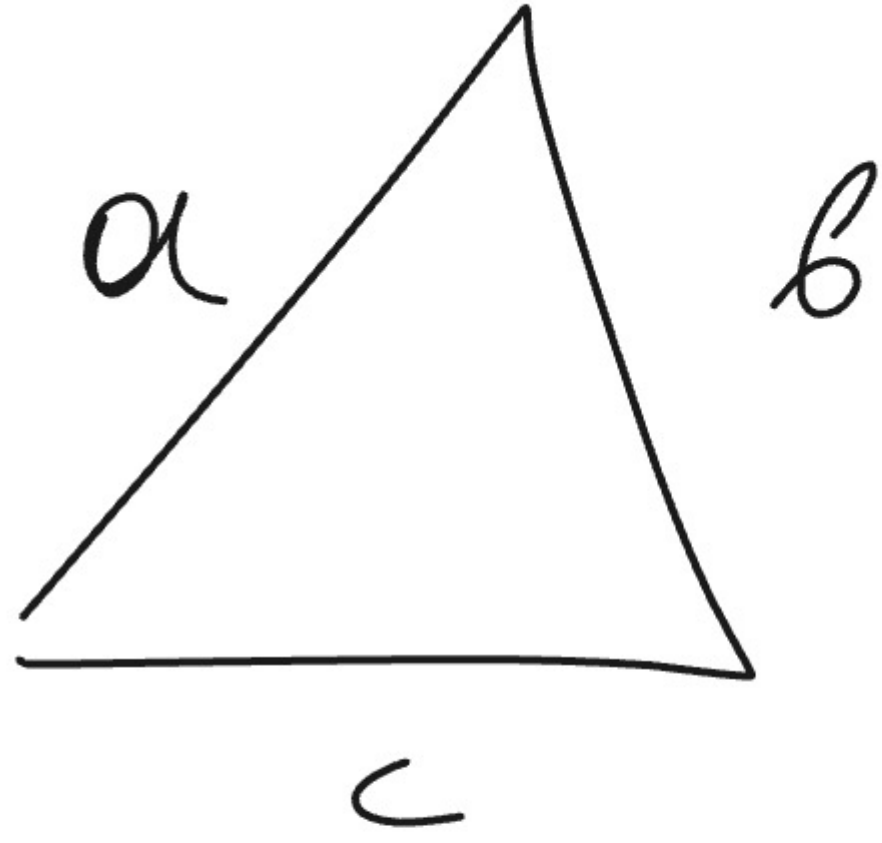
01.03.2024 (пятница)

$a = 20$

$b = 1$

$c = 3$



$20 < 1 + 3$

$20 < 4$ (нет)

20, 15, 10

1. Можно ли построить треугольник со сторонами 12 дм, 10 дм и 24 дм? Ответ обоснуйте.

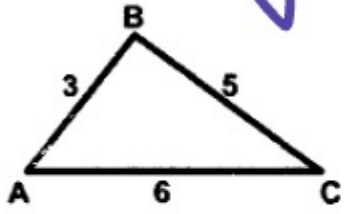
$12+10 < 24$] ✗

$10+24 > 12$

$24+12 > 10$] ✓

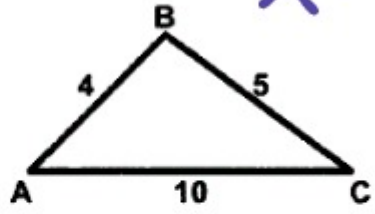
Существует ли треугольник ABC?

1



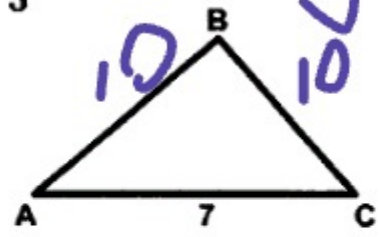
✓

2



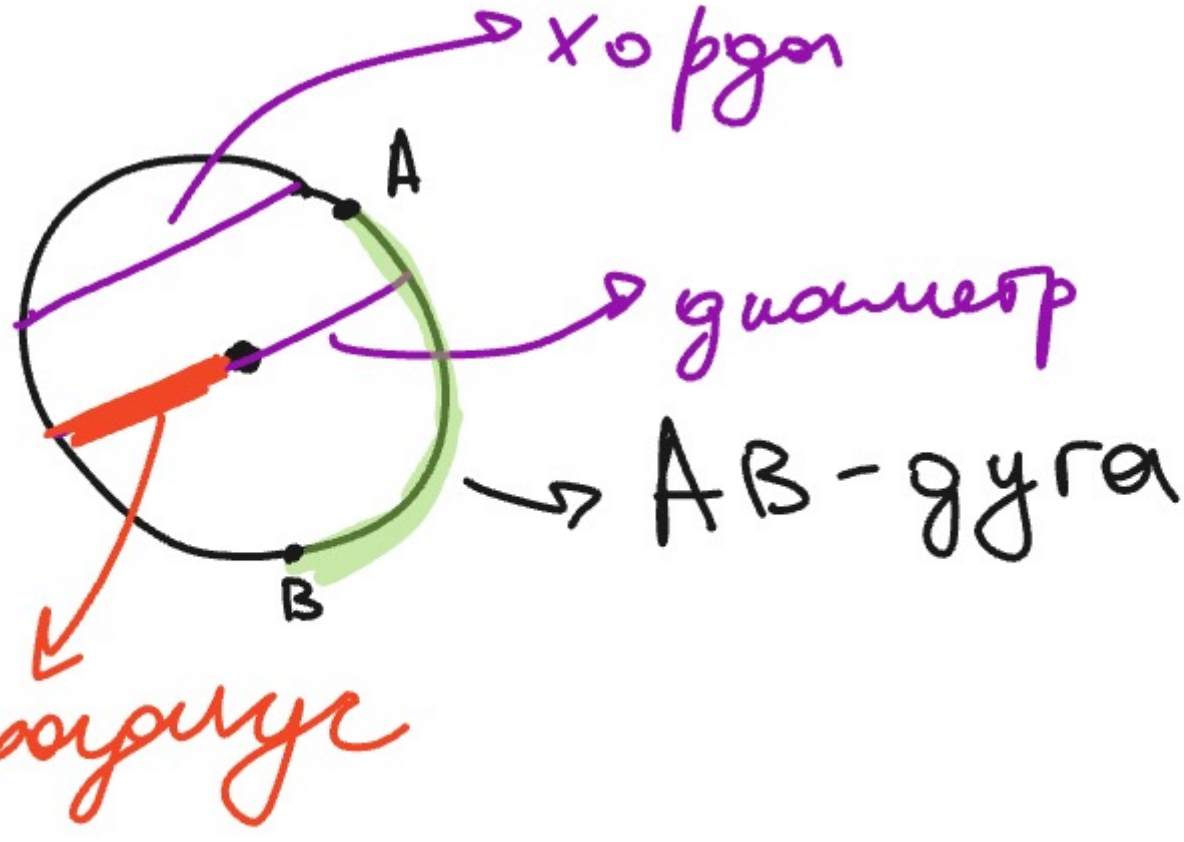
✗

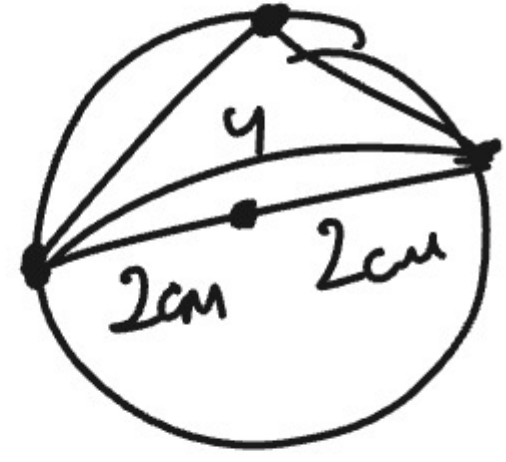
3

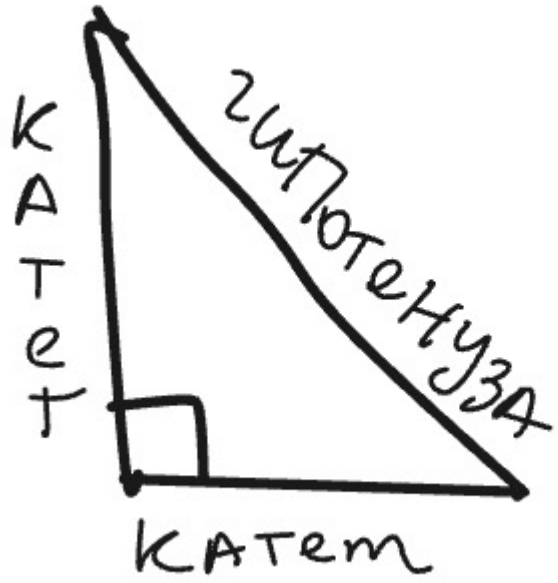


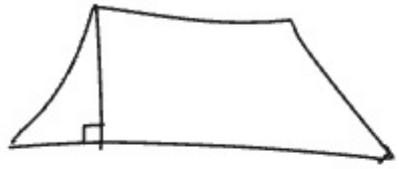
Дано: $AB = BC = 10$

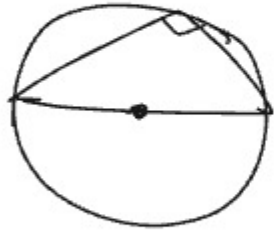
✓

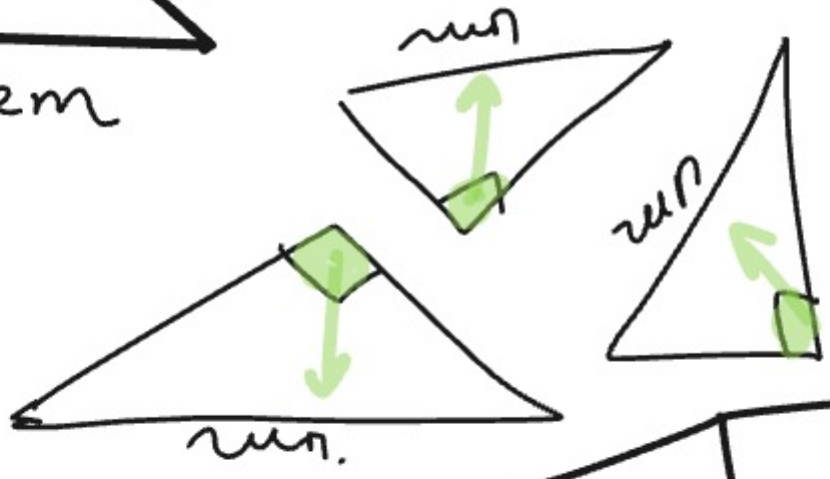






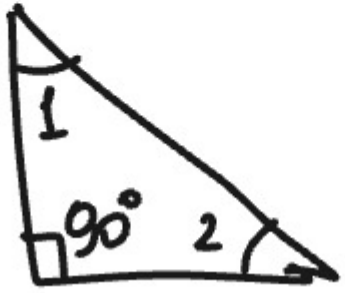






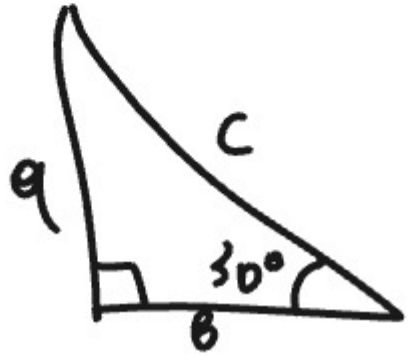
$$a = \frac{c}{2}$$

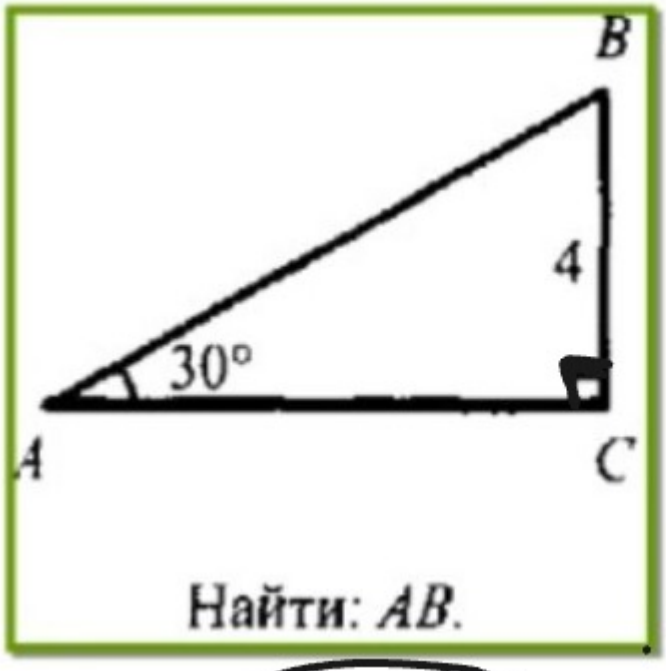
1)



$\angle 1 + \angle 2 = 90°$

2)





Найти: AB.

$BC = 4 = \frac{AB}{2}$

$\angle A = 30^\circ$

$\angle C = 90^\circ$

$\angle B = 60^\circ$

$AB = 8$

Фигура

- сторона (м, см, мм, дм)
- угол (градусы)

1) а) $2x+3xy$; б) $3xy-5y$;

а) $2x+3xy = \boxed{2\cdot x} + \boxed{3\cdot x\cdot y} =$

$= x(2+3y)$

б) $3xy-5y = y(3x-5)$

2) а) $5ab + 10a^2$;

б) $14mn^2 - 7n$;

а) $5ab + 10a^2 =$

$= 5 \cdot a \cdot b + 2 \cdot 5 \cdot a \cdot a =$

$= 5a(b + 2a)$

$5a \cdot b + 5a \cdot 2a = 5ab + 10a^2$

б) $14mn^2 - 7n =$

$= 7 \cdot 2 \cdot m \cdot n \cdot n - 7 \cdot n =$

$= 7n(2mn - 1)$

$7n \cdot 2mn - 7n \cdot 1 =$

$= 14n^2m - 7n$

в) $-7xy + y; =$

$= y(-7x + 1) =$

$- \cdot - = +$	
$- \cdot + = -$	
$+ \cdot - = -$	
$+ \cdot + = +$	

$= + y \cdot (-7x) + y \cdot 1 =$

$= -7xy + y$