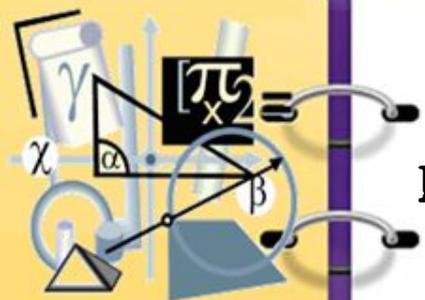


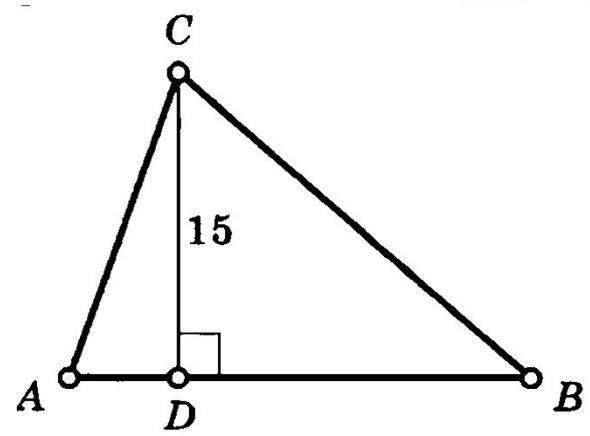
Подготовка к ОГЭ

$$x^2 + bx + c = 0$$
$$a^2 + b^2$$



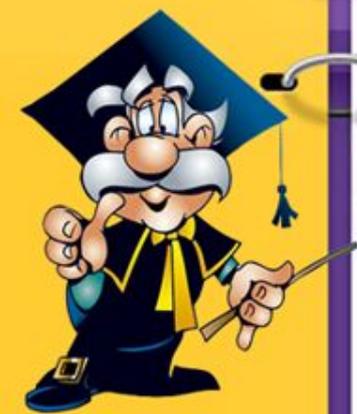
Найдите $S_{\triangle ABC}$.

$$AB = 22$$



$$S = \frac{1}{2} ah$$

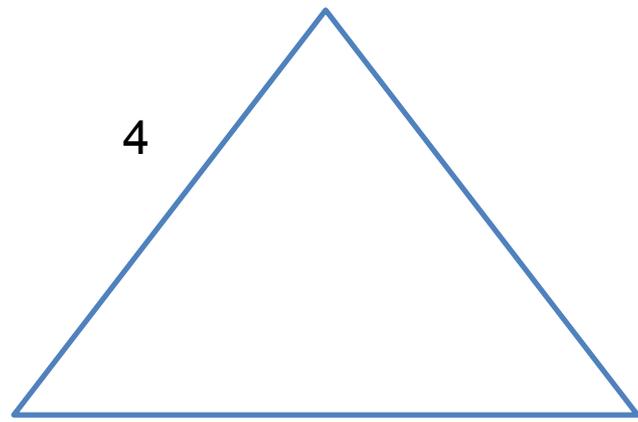
$$S = \frac{1}{2} \cdot 22 \cdot 15 = 165$$



Подготовка к ОГЭ

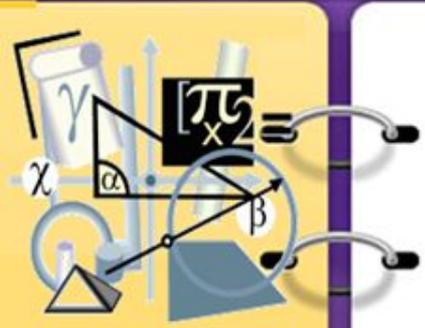


Найдите площадь равностороннего треугольника.

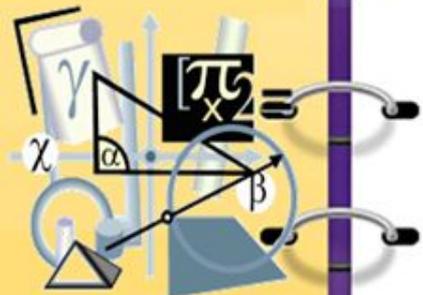


$$S = \frac{a^2 \sqrt{3}}{4}$$

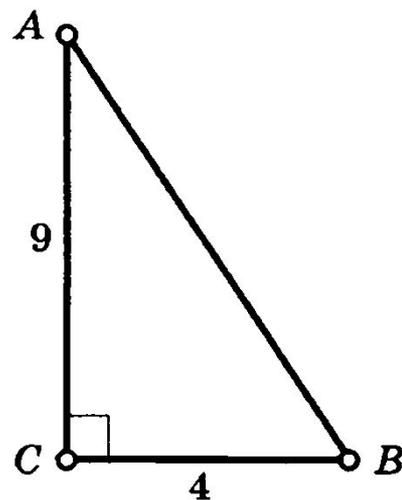
$$S = \frac{4^2 \sqrt{3}}{4} = 4\sqrt{3}$$



Подготовка к ОГЭ



Найдите $S_{\triangle ABC}$

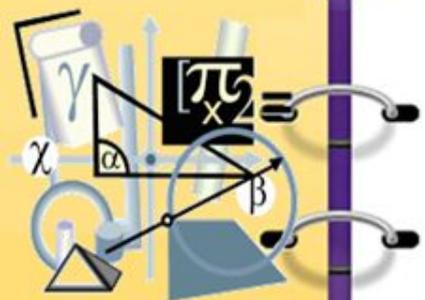


$$S = \frac{1}{2} ab$$

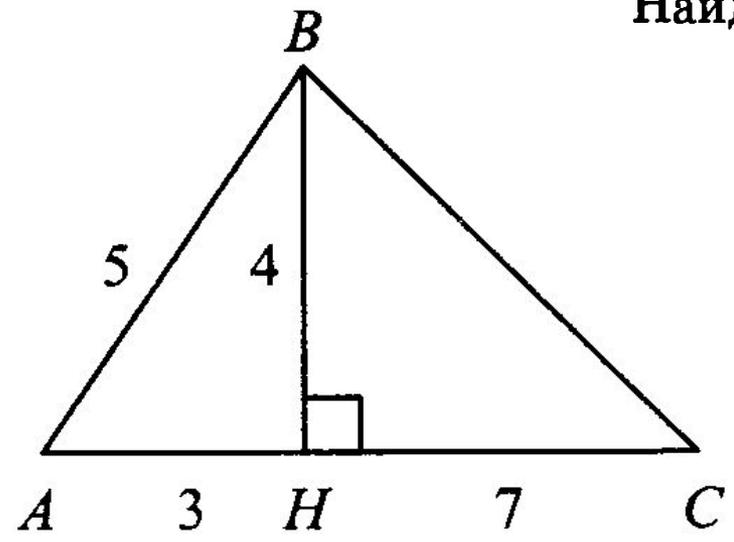
$$S = \frac{1}{2} \cdot 4 \cdot 9 = 18$$



Подготовка к ОГЭ



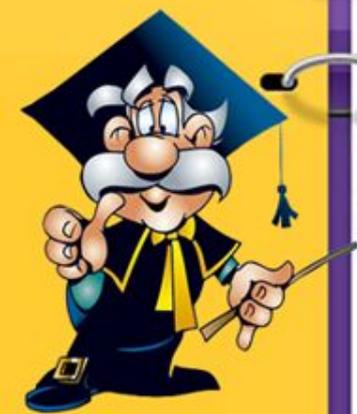
Найдите $S_{\Delta ABC}$



$$S = \frac{1}{2}ah$$

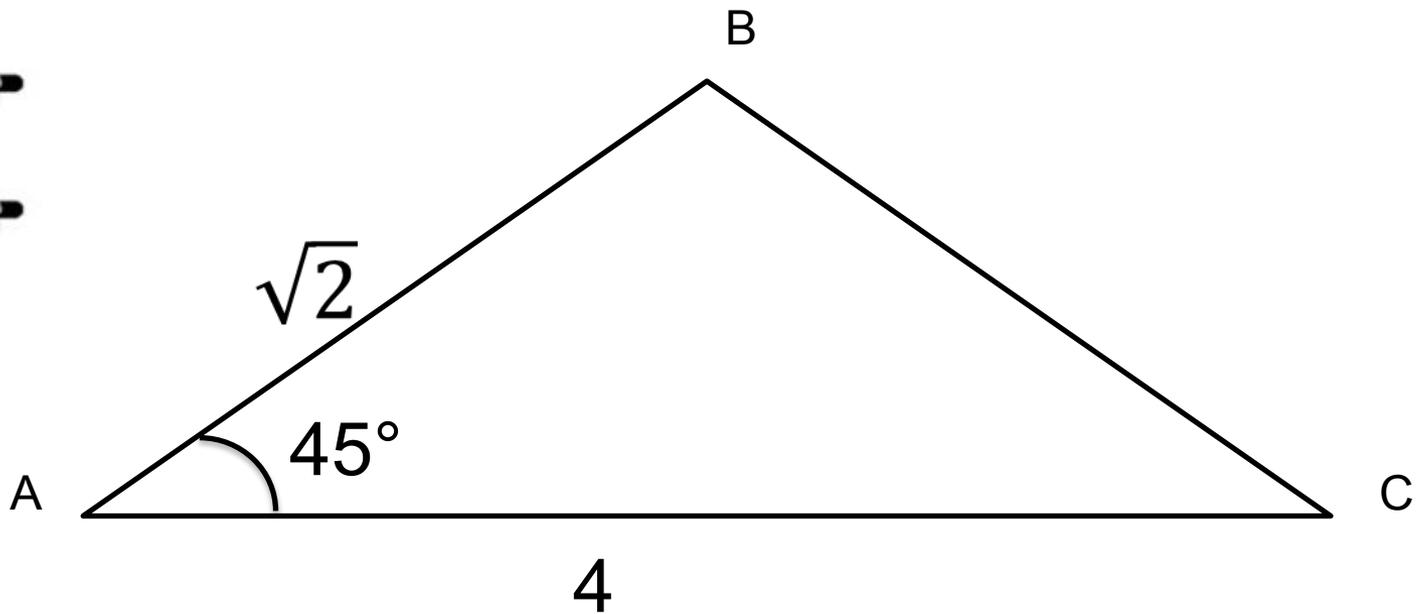
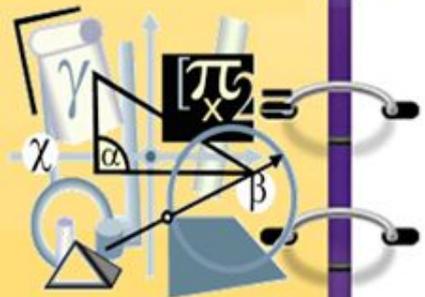
$$AC = 10$$

$$S = \frac{1}{2} \cdot 10 \cdot 4 = 20$$

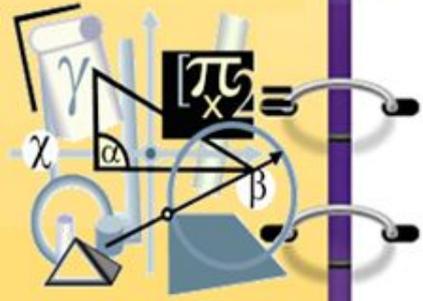


Подготовка к ОГЭ

$$x^2 + bx + c = 0$$
$$a^2 + b^2$$



Классная работа

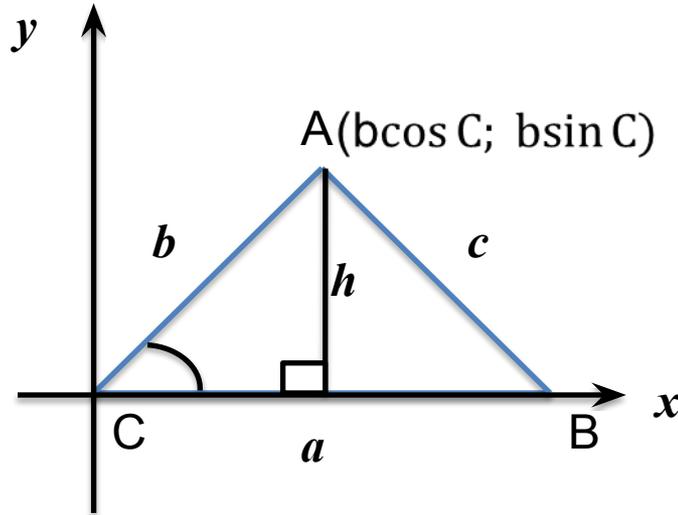
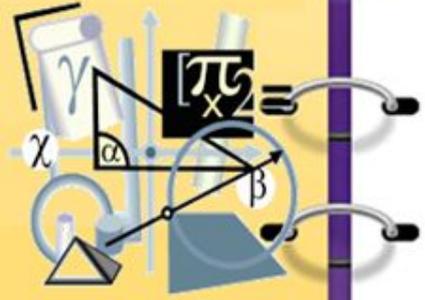


ТЕОРЕМА О ПЛОЩАДИ ТРЕУГОЛЬНИКА

30.11.2015



Теорема

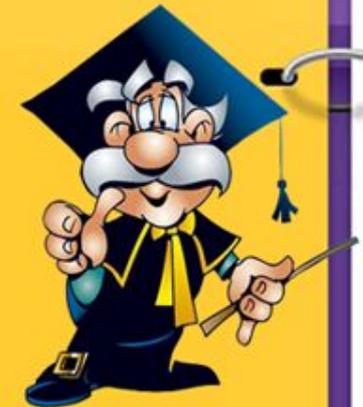


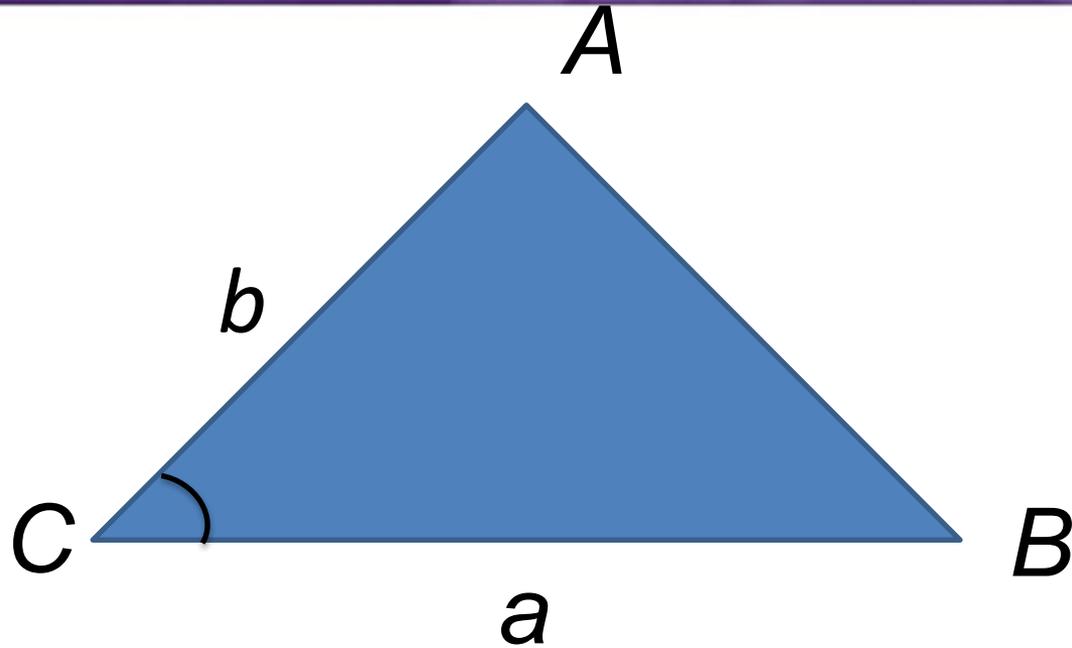
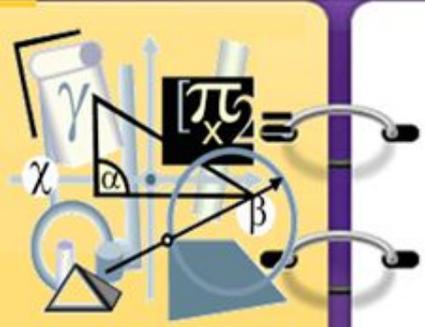
$$S = \frac{1}{2} ah$$

$$\sin C = \frac{h}{b}$$

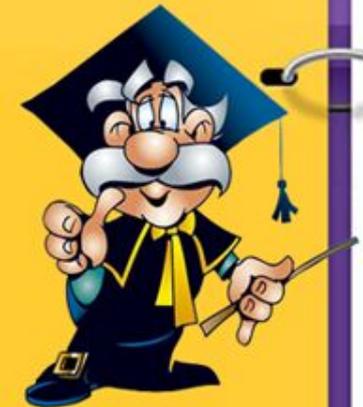
$$h = b \sin C$$

$$S = \frac{1}{2} ab \sin C$$



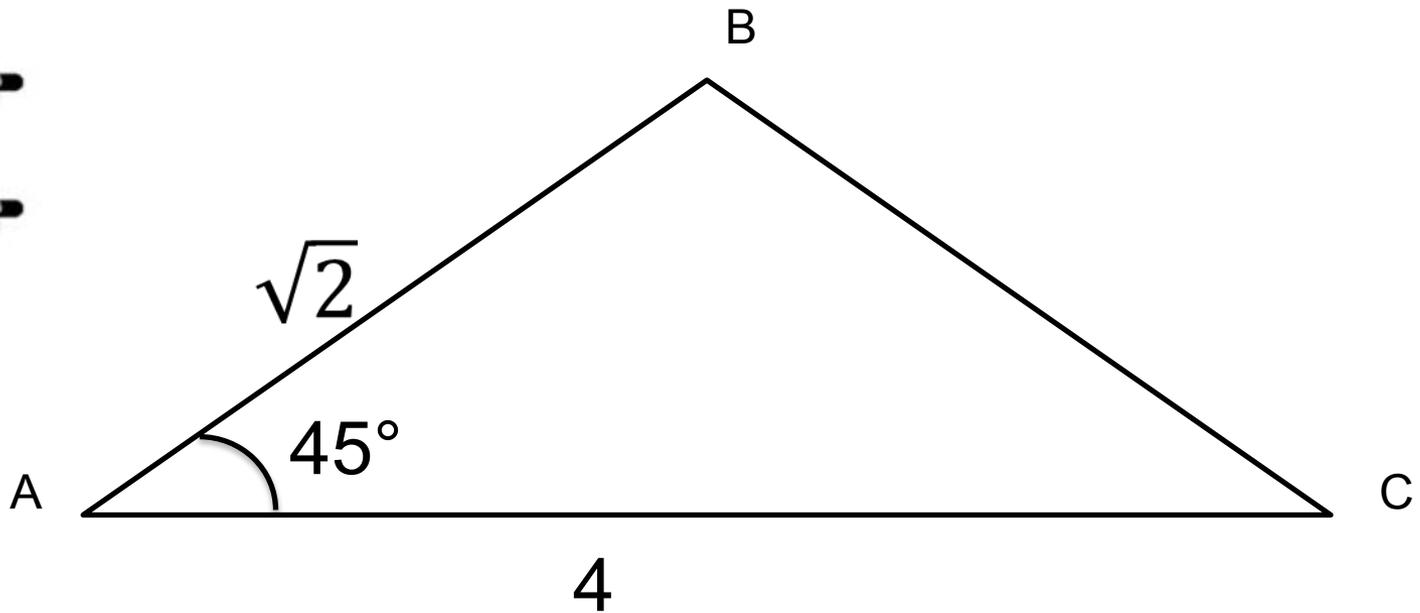


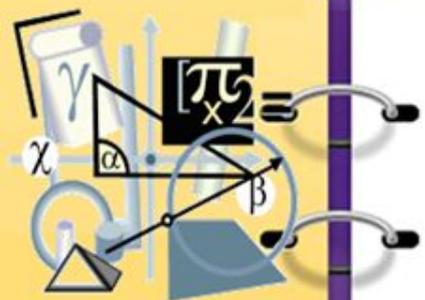
$$S = \frac{1}{2} ab \sin C$$



Подготовка к ОГЭ

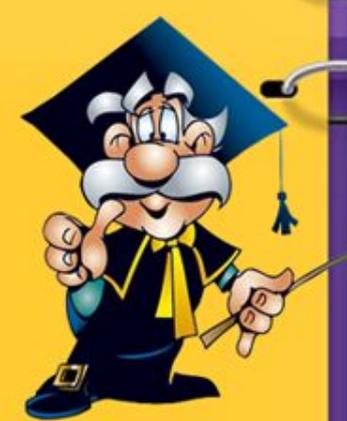
$$x^2 + bx + c = 0$$
$$a^2 + b^2$$

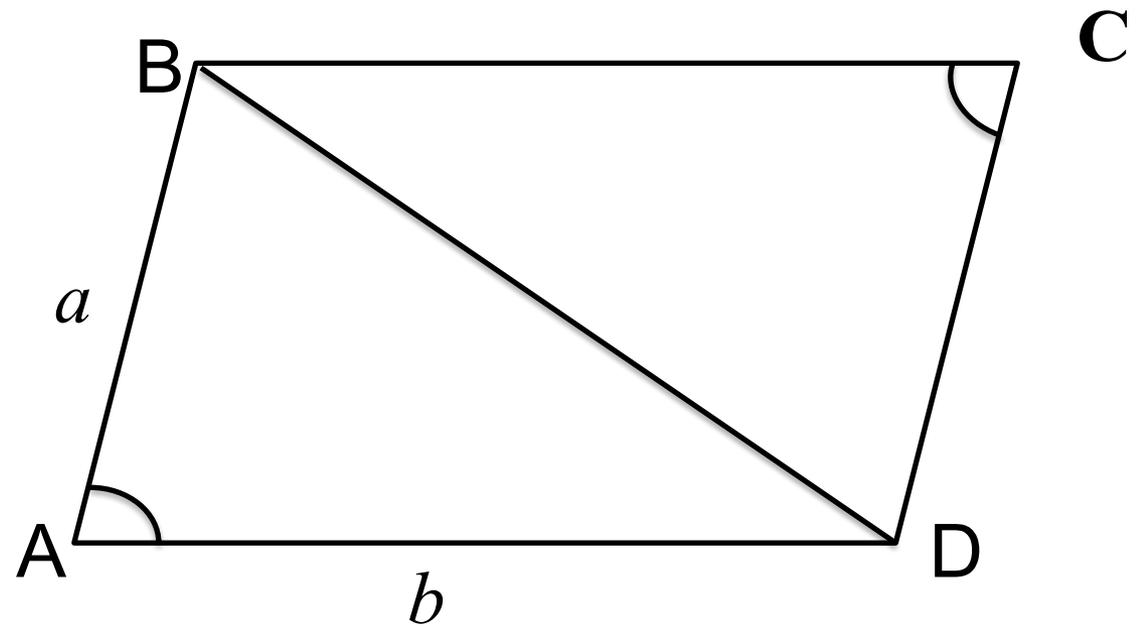
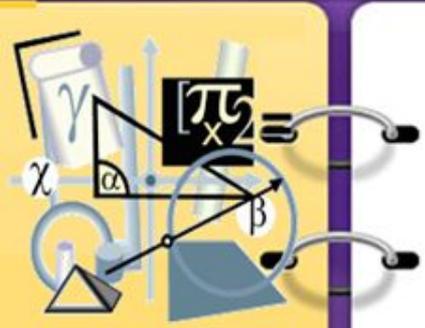




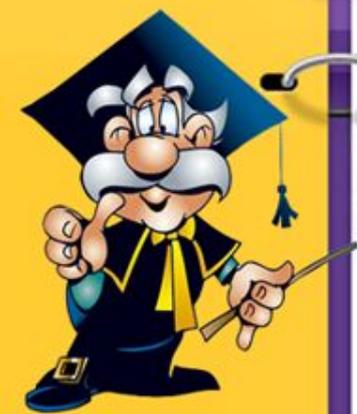
No 1020(a)

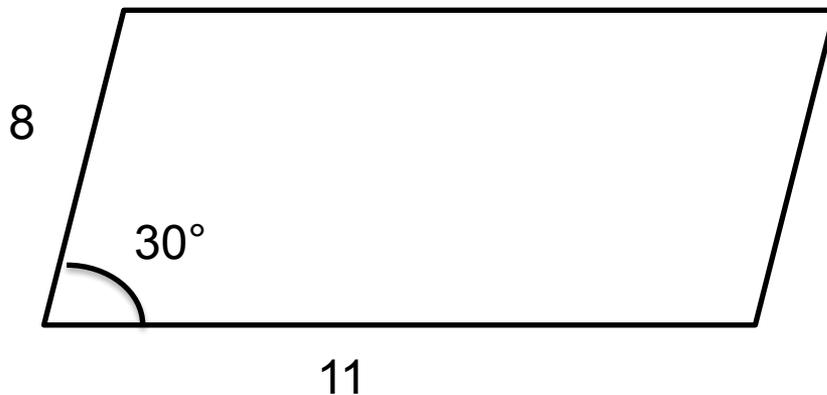
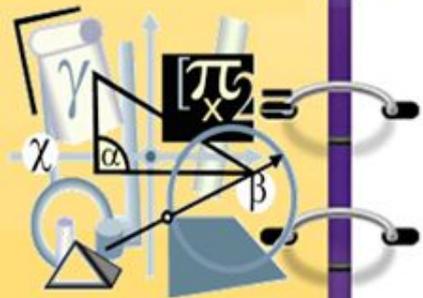
$$\begin{aligned} S_{\Delta} &= \frac{1}{2} \cdot 6\sqrt{8} \cdot 4 \cdot \sin 60^{\circ} = \\ &= \frac{1}{2} \cdot 6\sqrt{8} \cdot 4 \cdot \frac{\sqrt{3}}{2} = \frac{6 \cdot 4 \cdot \sqrt{8} \cdot 3}{4} \\ &= 6\sqrt{4 \cdot 2 \cdot 3} = 12\sqrt{6} \text{ cm}^2 \end{aligned}$$





$$S_{ABCD} = 2 \cdot \frac{1}{2} ab \sin A = ab \sin A$$





$$S = 8 \cdot 11 \cdot \sin 30^\circ = 88 \cdot \frac{1}{2} = 44$$

Соседние стороны параллелограмма равны 8 см и 11 см, а угол между ними равен 30° .
Найдите площадь параллелограмма.

1. $44\sqrt{3}$;

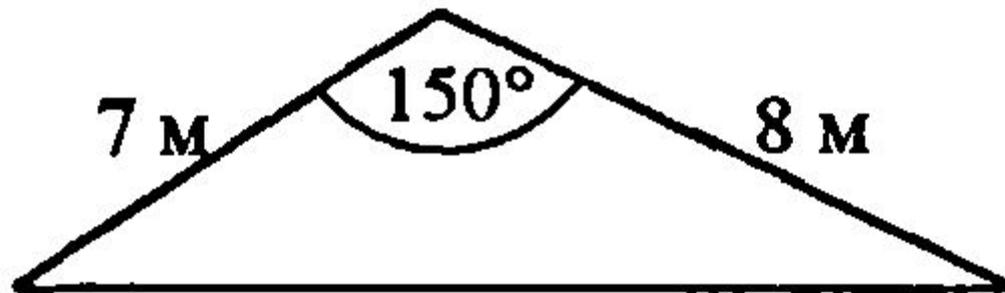
2. 22;

3. 44;

4. $22\sqrt{3}$.

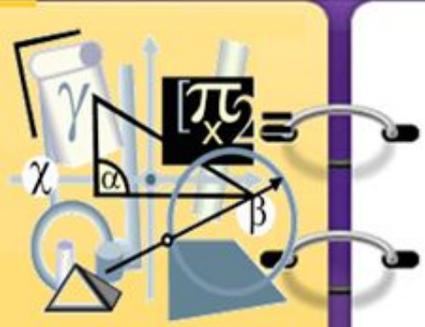


Найдите площадь треугольника



$$\frac{1}{2} = \sin 30^\circ = (\sin 180^\circ - \sin 150^\circ) = \sin 150^\circ$$

$$S = \frac{1}{2} \cdot 7 \cdot 8 \cdot \sin 150^\circ = \frac{1}{2} \cdot 7 \cdot 8 \cdot \frac{1}{2} = 14 \text{ м}^2$$



Домашнее задание



1. п.96 (стр. 256)
2. Творческая работа по карточкам
3. Задание №12, вариантов 12-15 по И.В.Яценко
36 вариантов-2015

