

Математик

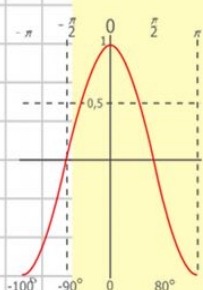
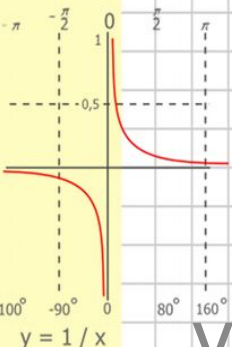
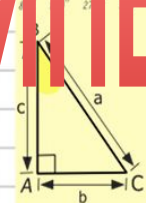
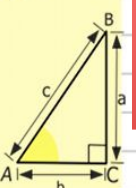
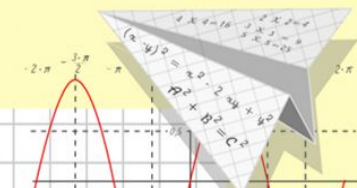
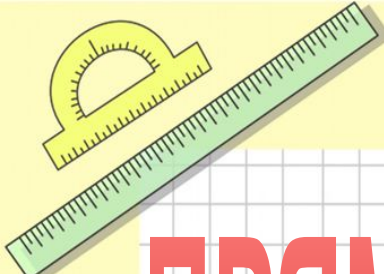
а

у

ПРЯМОУГОЛЬНЫЙ ПАРАЛЛЕЛЕПИПЕД

5 класс

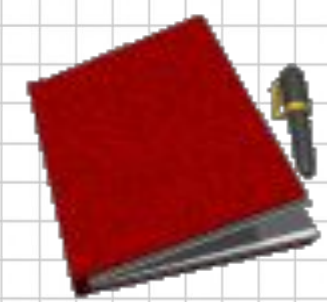
учитель математики МКОУ
 Павловская СОШ №3
 Коржукова Оксана
 Николаевна



$$\begin{array}{r} 1 \\ 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 10500 \end{array}$$

$$y = \cos x$$

$$\begin{array}{l} 2 \times 2 = 4 \\ 3 \times 3 = 9 \\ 4 \times 4 = 16 \\ 5 \times 5 = 25 \\ 6 \times 6 = 36 \\ 7 \times 7 = 49 \\ 8 \times 8 = 64 \end{array}$$



$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

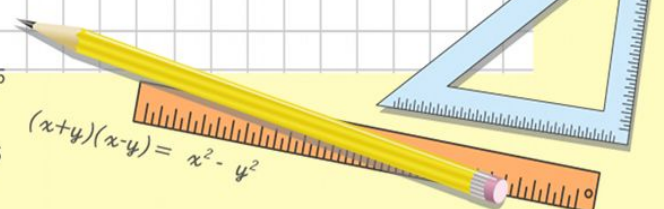
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

$$\sin 90^\circ = 1$$



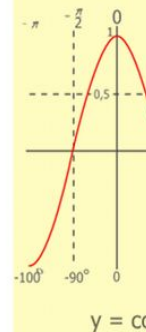
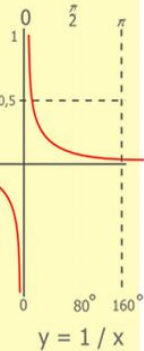
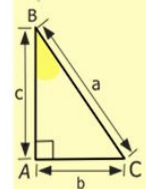
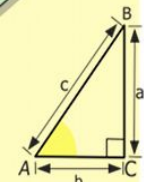
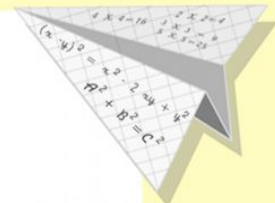
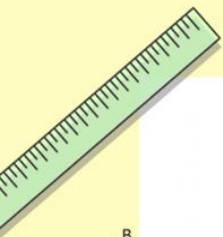
$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

$$\begin{cases} y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$



$$(x+y)(x-y) = x^2 - y^2$$

Ну-ка проверь дружок
 Ты готов начать урок?
 Всё ль на месте, всё ль в порядке,
 Ручка, книжка и тетрадка?
 Все ли правильно сидят?
 Все ль внимательно глядят?
 Каждый хочет получить,
 Только лишь оценку «5».
 Тут затеи и задачи,
 Игры, шутки, всё для вас!
 Пожелаем же удачи –
 За работу, в добрый час!



$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 10500 \end{array}$$

- 2 x 2 = 4
- 3 x 3 = 9
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$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

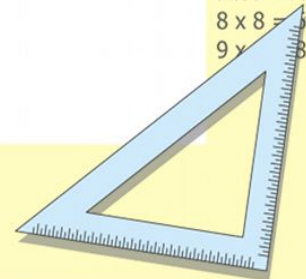
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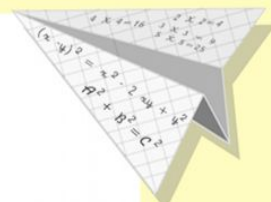
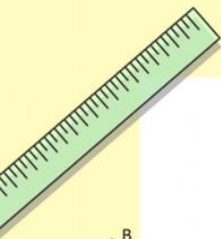


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

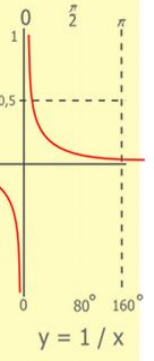
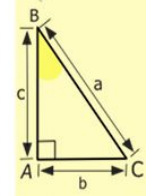
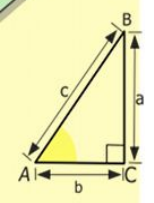
$$\begin{cases} y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

$$(x+y)(x-y) = x^2 - y^2$$





$S = a \cdot b$,
 $P = a + a + a + a$,
 $S = b \cdot a$,
 $P = 4a$,
 $P = (a + b) \cdot 2$,
 $S = a^2$,
 $P = a + b + a + b$,
 $S = a \cdot a$



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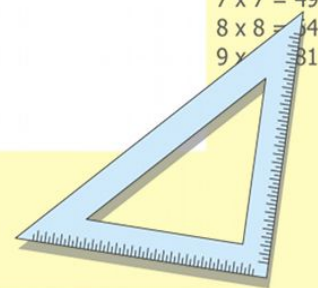
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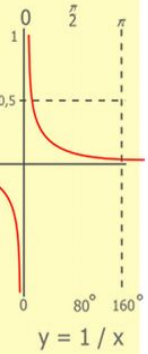
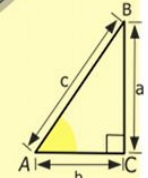
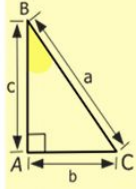
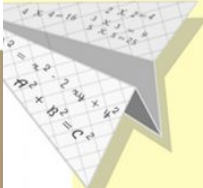
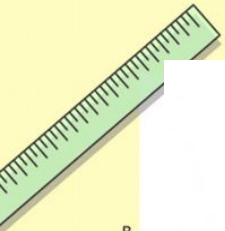
$\sin 90^\circ = 1$



$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$
 $\begin{cases} y = 1 \\ x = 25 + 45 \end{cases}$
 $\frac{x}{70}$

$(x+y)(x-y) = x^2 - y^2$





- $y = \cos$
- $2 = 4$
- $3 = 9$
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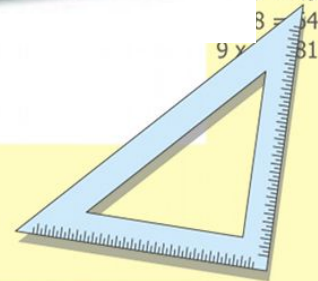
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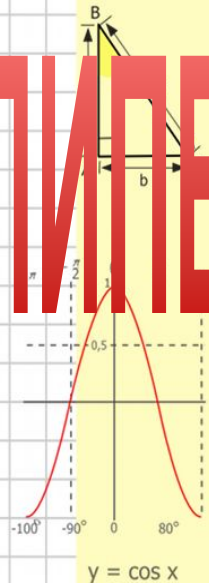
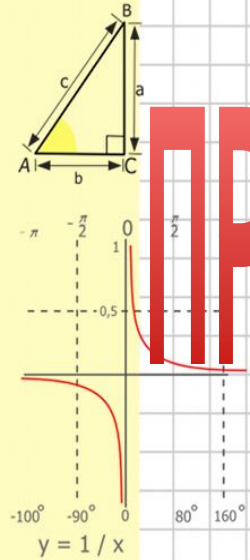
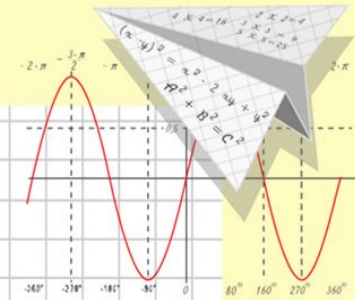
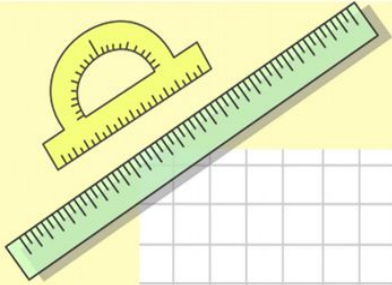
$$(x+y)(x-y) = x^2 - y^2$$



Математик

а

ПРЯМОУГОЛЬНЫЙ ПАРАЛЛЕЛЕПИПЕД



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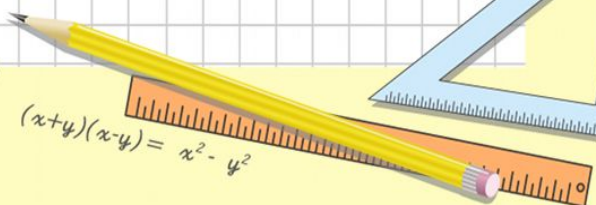
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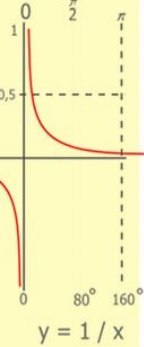
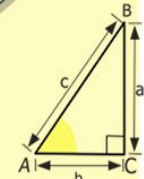
$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases} \quad \begin{cases} y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$



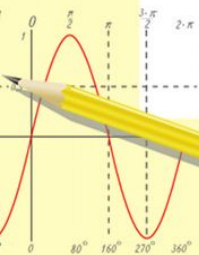
$$(x+y)(x-y) = x^2 - y^2$$

Сегодня на уроке вы узнаете:

1. **Что такое прямоугольный параллелепипед?**
2. **Сколько ребер, вершин и граней у параллелепипеда? Их свойства.**



$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 2100 \\ + 840 \\ \hline 105000 \end{array}$$



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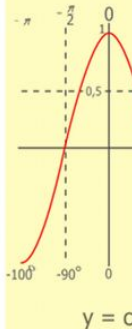
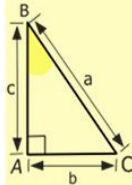
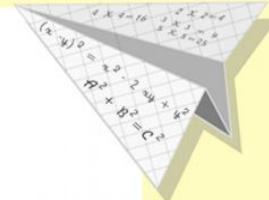


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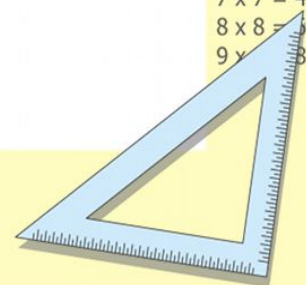
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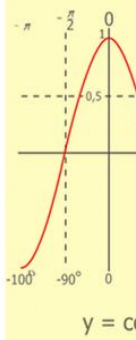
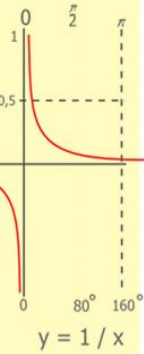
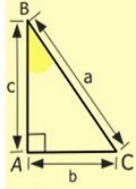
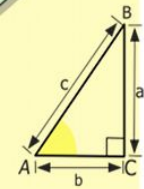
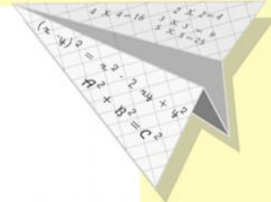
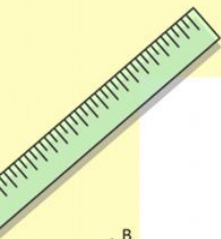
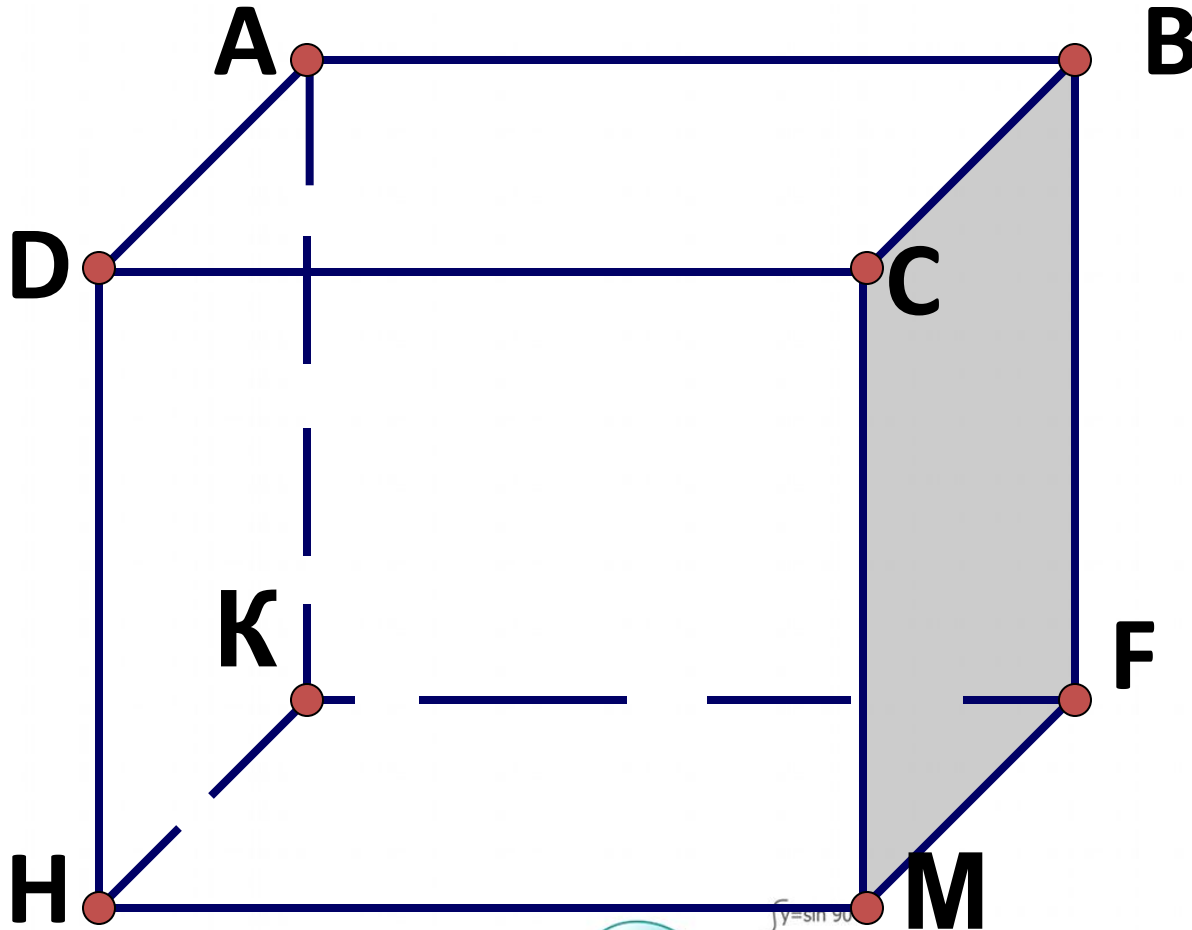
$$(x+y)(x-y) = x^2 - y^2$$



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ВЕРШИНЫ



$$\begin{array}{r} 1\ 2\ 5\ 00 \\ \times 4\ 2 \\ \hline 21\ 0 \\ + 84 \\ \hline 105\ 000 \end{array}$$

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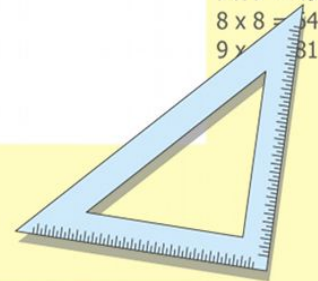


$$\begin{cases} y = \sin 90^\circ \\ x = 25y + 45 \end{cases}$$

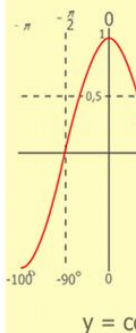
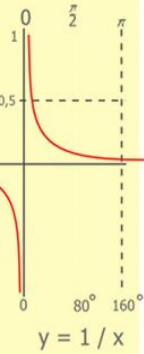
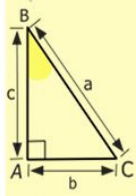
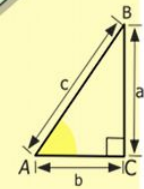
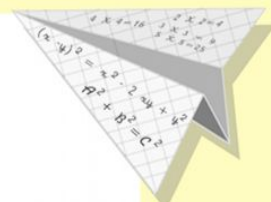
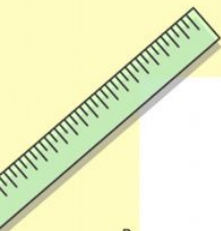
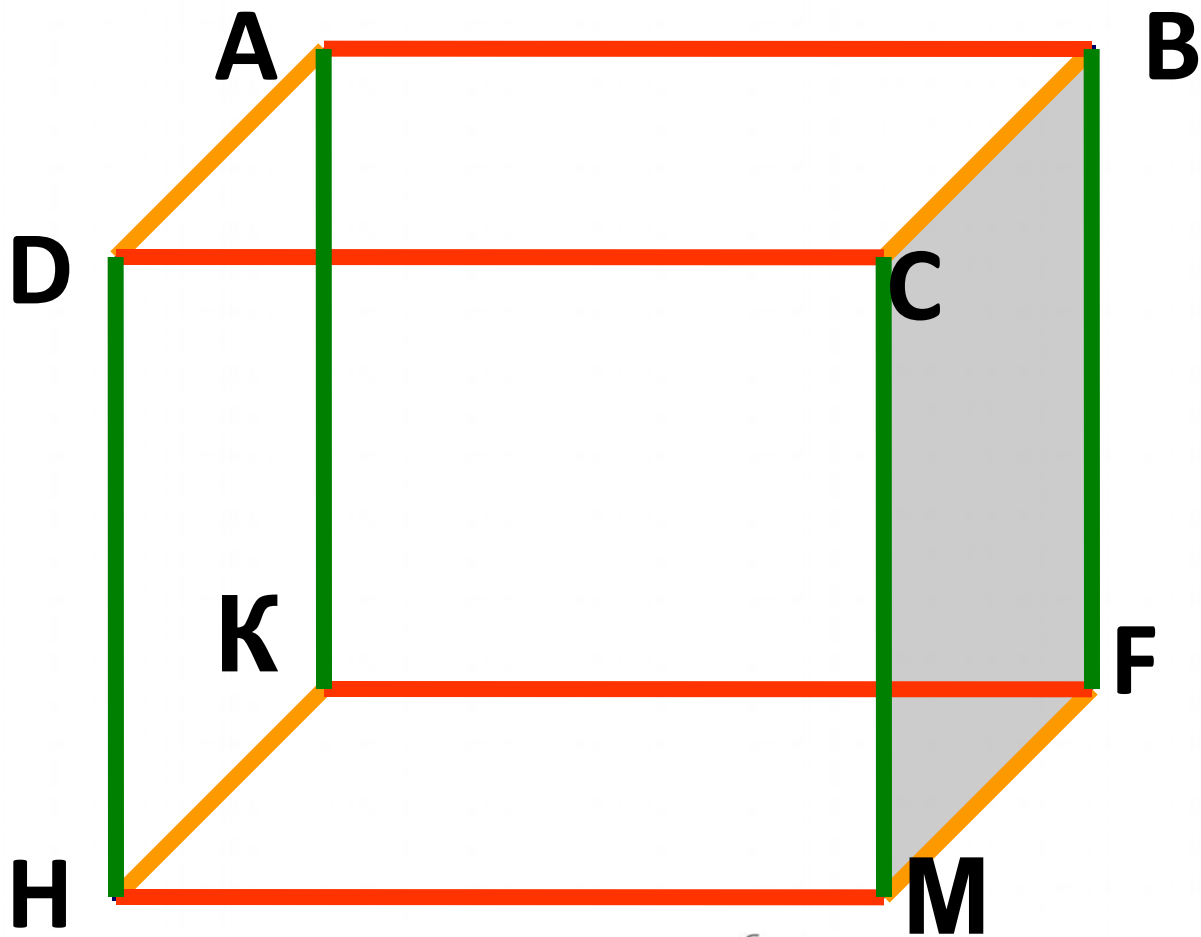
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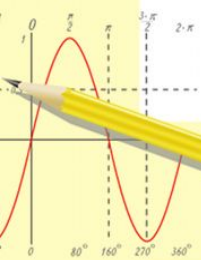


РЁБРА



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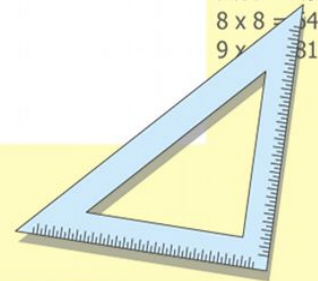
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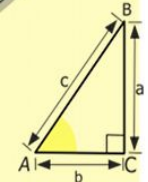
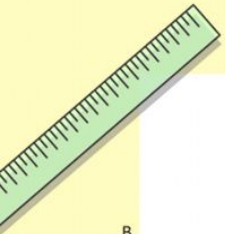
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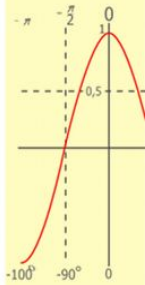
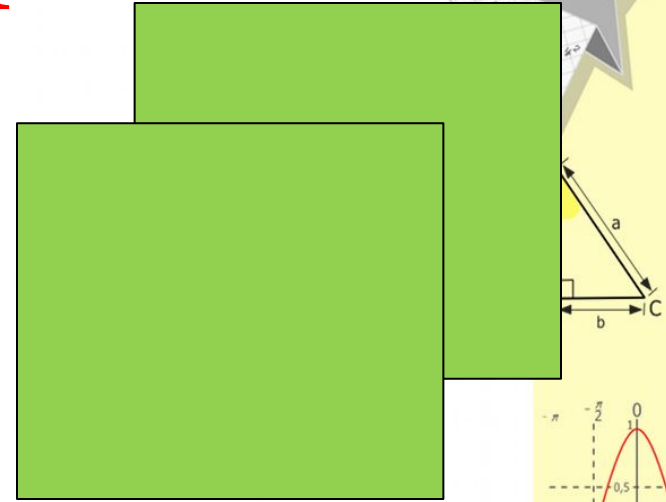
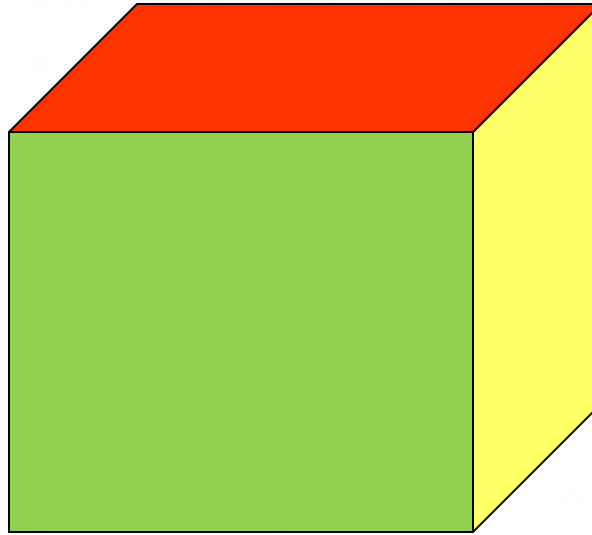
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ГРАНИ



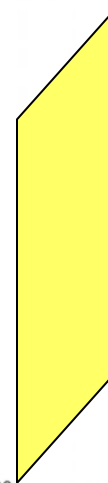
$$y = 1/x$$



$$y = \cos$$

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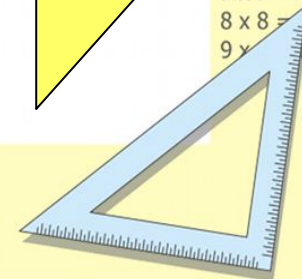
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$$(x+y)(x-y) = x^2 - y^2$$

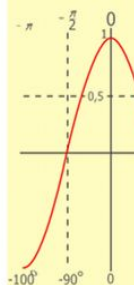
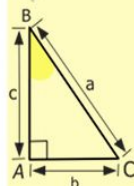
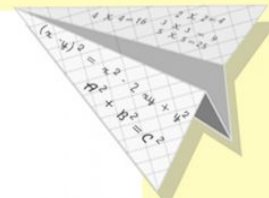
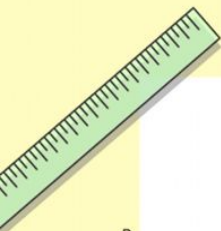
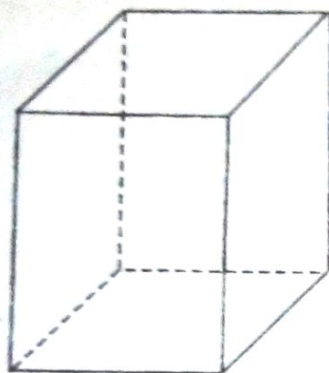


Учимся изображать ПАРАЛЛЕЛЕПИПЕД

• Задание №1

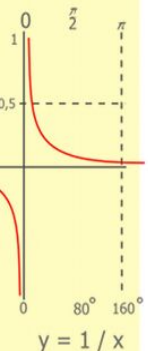
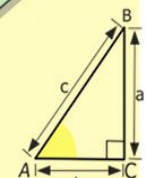
Скопируйте в тетрадь параллелепипед, изображённый на рисунке, следующим образом:

- начертите переднюю (видимую) грань параллелепипеда;
- проведите видимые и невидимые рёбра боковых граней;
- начертите заднюю (невидимую) грань.



$y = \cos$

- $2 \times 2 = 4$
- $3 \times 3 = 9$
- $4 \times 4 = 16$
- $5 \times 5 = 25$
- $6 \times 6 = 36$
- $7 \times 7 = 49$
- $8 \times 8 = 64$
- $9 \times 9 = 81$



$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 10500 \end{array}$$



$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

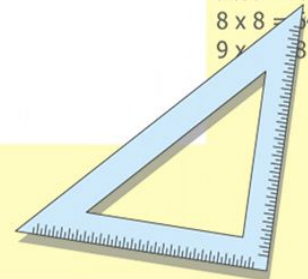
$\sin 90^\circ = 1$



$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

$$\begin{cases} y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

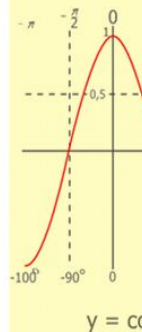
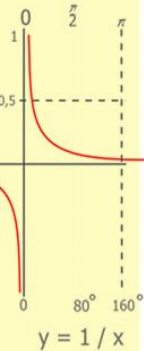
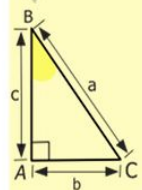
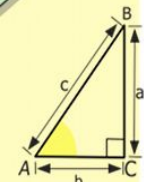
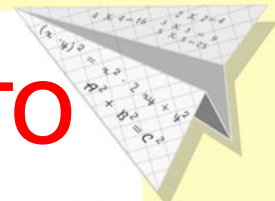
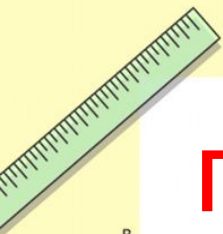
$$(x+y)(x-y) = x^2 - y^2$$



АЛГОРИТМ

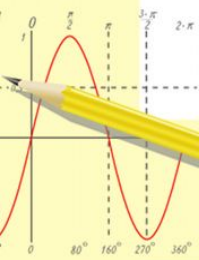
построения прямоугольного параллелепипеда

- Начертите переднюю (видимую) грань параллелепипеда.
- Проведите видимые и невидимые ребра боковых граней.
- Начертите заднюю (невидимую) грань.



$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 10500 \end{array}$$

$$\begin{array}{l} 2 \times 2 = 4 \\ 3 \times 3 = 9 \\ 4 \times 4 = 16 \\ 5 \times 5 = 25 \\ 6 \times 6 = 36 \\ 7 \times 7 = 49 \\ 8 \times 8 = 64 \\ 9 \times 9 = 81 \end{array}$$



$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

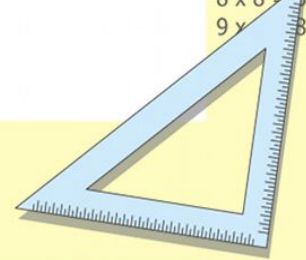
$$\sin 90^\circ = 1$$



$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

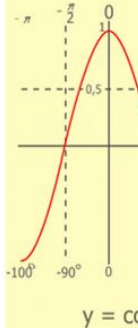
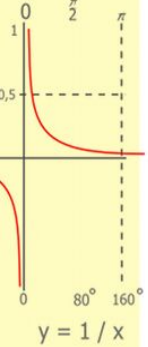
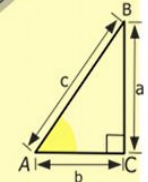
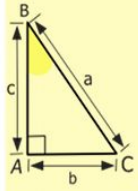
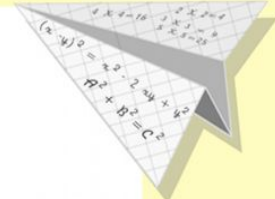
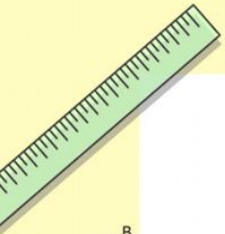
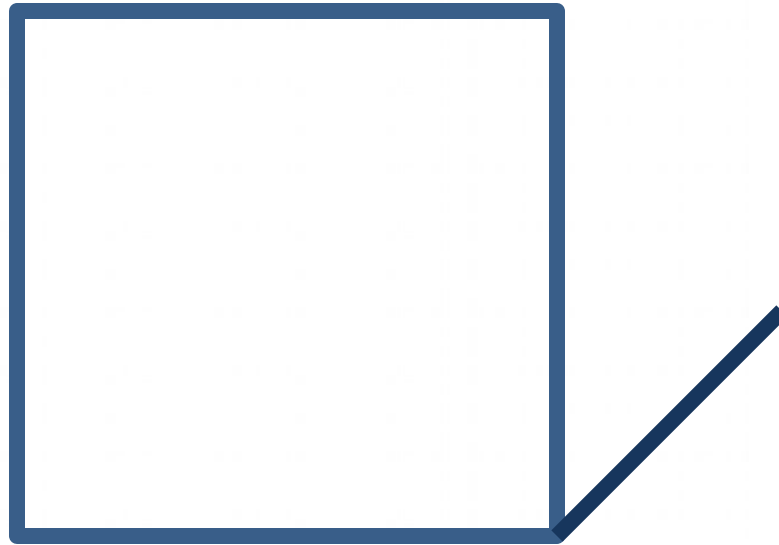
$$\begin{cases} y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

$$(x+y)(x-y) = x^2 - y^2$$



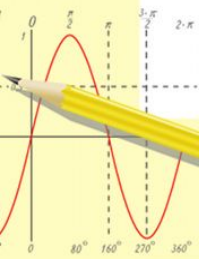
Учимся изображать ПАРАЛЛЕЛЕПИПЕД

• Задание №2



$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 2100 \\ + 840 \\ \hline 105000 \end{array}$$

$$\begin{array}{l} 2 \times 2 = 4 \\ 3 \times 3 = 9 \\ 4 \times 4 = 16 \\ 5 \times 5 = 25 \\ 6 \times 6 = 36 \\ 7 \times 7 = 49 \\ 8 \times 8 = 64 \\ 9 \times 9 = 81 \end{array}$$



$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

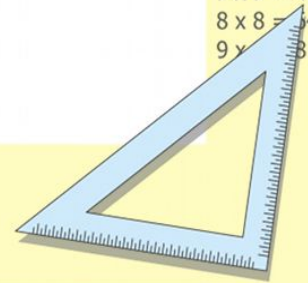
$$\sin 90^\circ = 1$$



$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

$$\begin{cases} y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

$$(x+y)(x-y) = x^2 - y^2$$

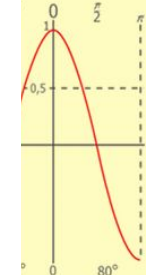
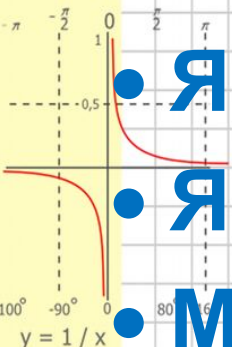
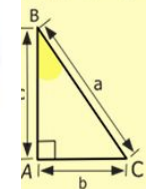
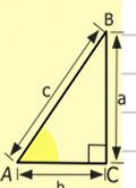
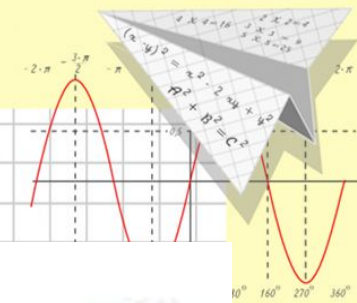
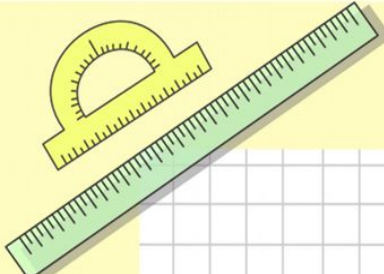


Математик

РЕФЛЕКСИЯ

НА УРОКЕ

- Я узнал...
- Я научился...
- Мне понравилось...
- Я затруднялся...
- Моё настроение...



$$\begin{array}{r} 1 \\ 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 105000 \end{array}$$

$$\begin{array}{l} 2 \times 2 = 4 \\ 3 \times 3 = 9 \\ 4 \times 4 = 16 \\ 5 \times 5 = 25 \\ 6 \times 6 = 36 \\ 7 \times 7 = 49 \\ 8 \times 8 = 64 \end{array}$$



$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

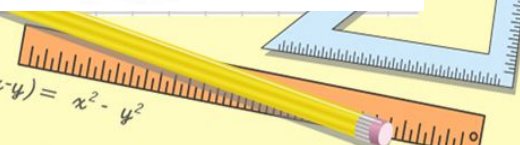


$$\sin 90^\circ = 1$$



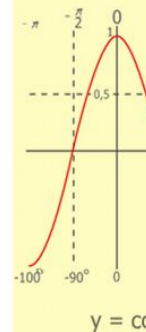
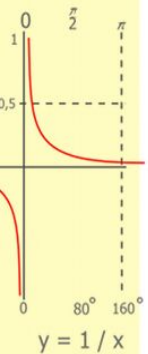
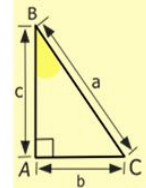
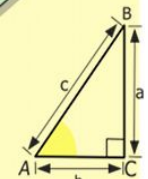
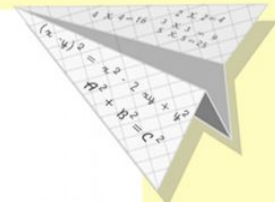
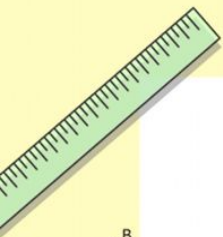
$$\begin{cases} x = 25y + 45 \\ y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

$$(x+y)(x-y) = x^2 - y^2$$



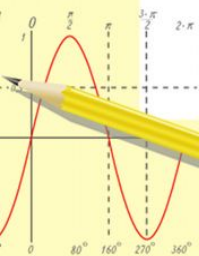
ДОМАШНЕЕ ЗАДАНИЕ

п. 20 прочитать и ответить на
вопросы,
№790, 815, 816.



$$\begin{array}{r} 1 \\ 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 105000 \end{array}$$

- 2 x 2 = 4
- 3 x 3 = 9
- 4 x 4 = 16
- 5 x 5 = 25
- 6 x 6 = 36
- 7 x 7 = 49
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$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

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