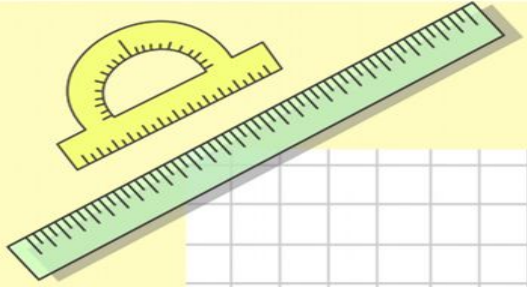
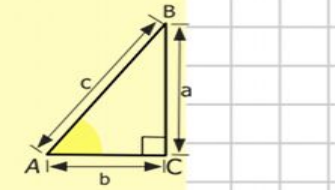
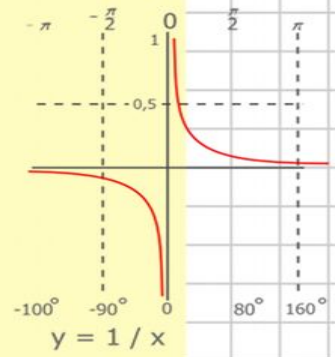
МАОУ Ильинская СОШ

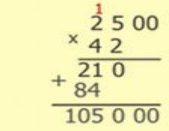
Наибольший общий делитель

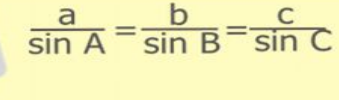
6 класс

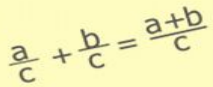


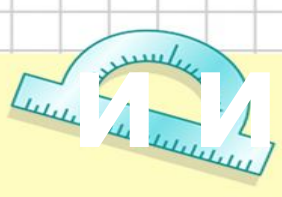


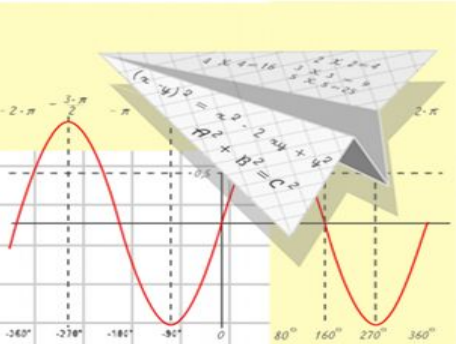


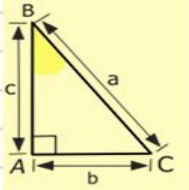


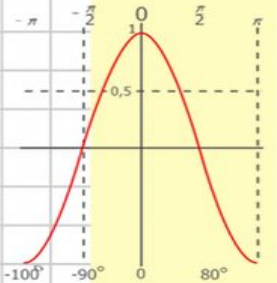


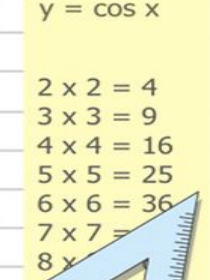




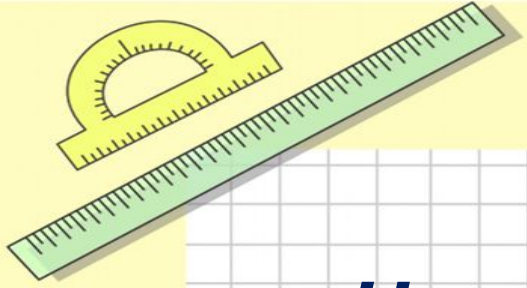


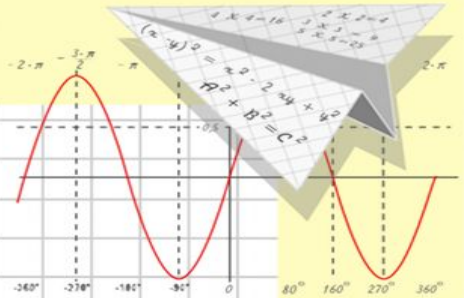


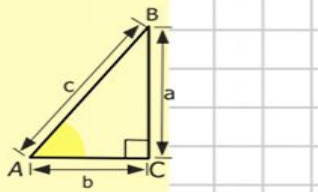




и информатики



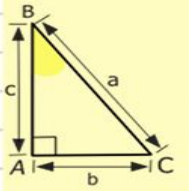


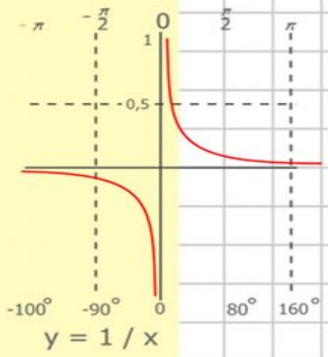


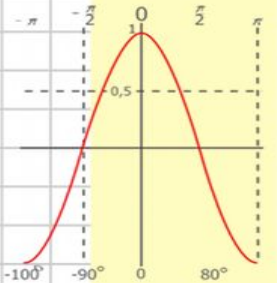
Что вы должны узнать на уроке?

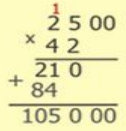
Чему хотите научиться на уроке?

По каким критериям мы можем оценить свою работу на уроке?









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

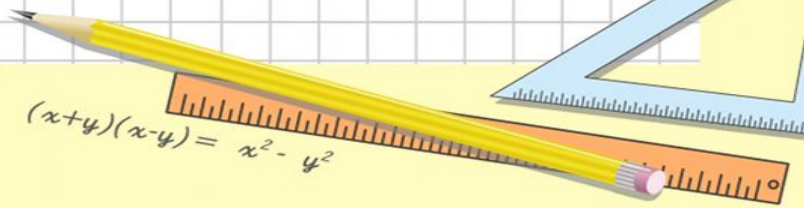
$\frac{a}{c}+\frac{b}{c}=\frac{a+b}{c}$

$\sin 90°=1$

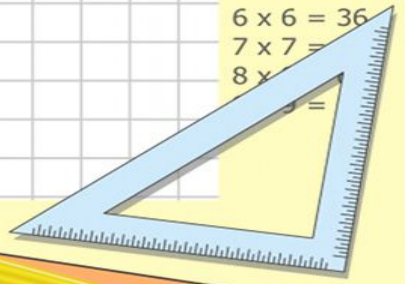
$\begin{cases} y=\sin 90 \\ x=25y+45 \end{cases}$

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

$x=70$



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



2 x 2 = 4
3 x 3 = 9
4 x 4 = 16
5 x 5 = 25
6 x 6 = 36
7 x 7 =
8 x

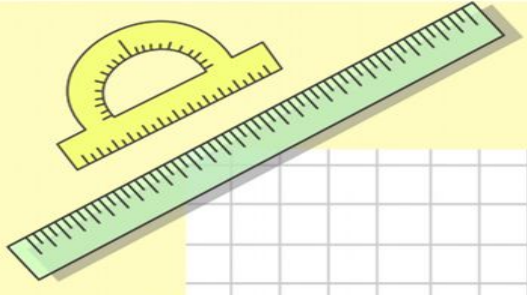
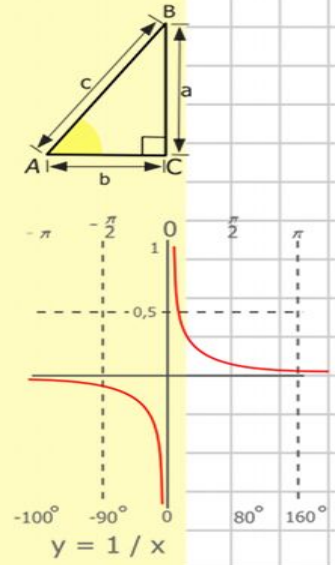
№ 112

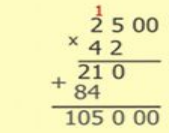
1) X = 2*5*13

Д(X) ={2, 5, 13, 10, 26, 65, 130}

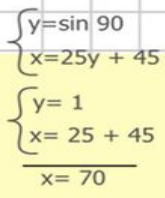
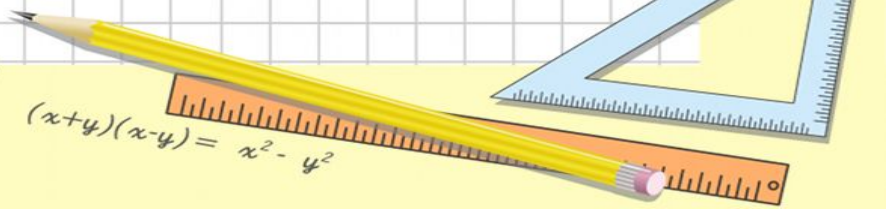
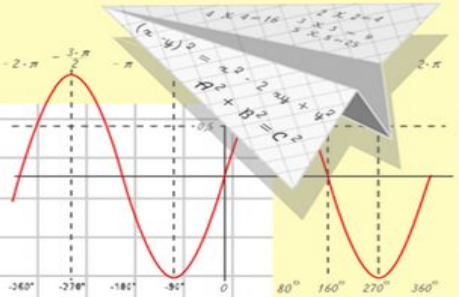
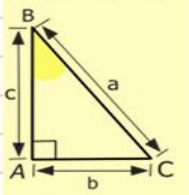
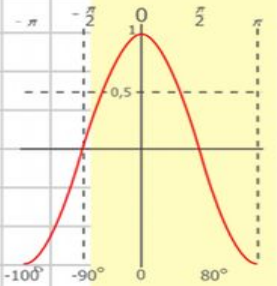
2) X = 3*3*3*7

Д(X) = {3, 9, 27, 21, 63, 189}





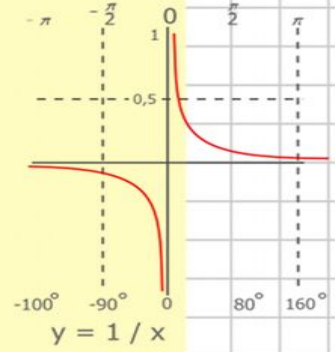






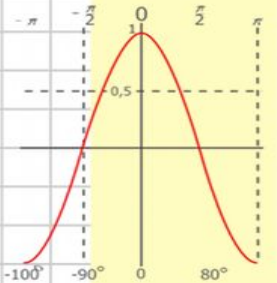
№ 142

НОД (42, 105) = 3 * 7 = 21

42	2
21	3
7	7
1	

105	3
35	5
7	7
1	





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

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

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

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

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

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

$$x=70$$

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

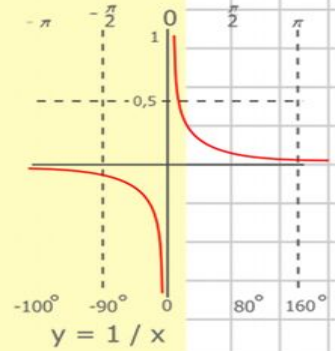
2 x 2 = 4
3 x 3 = 9
4 x 4 = 16
5 x 5 = 25
6 x 6 = 36
7 x 7 =
8 x

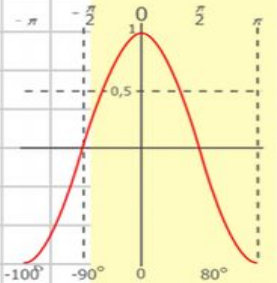
№ 142

НОД (588, 252) = 2*2 * 3 * 7 = 84

588	2
294	2
147	3
49	7
7	7
1	

252	2
126	2
63	3
21	3
7	7
1	





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

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

$\sin 90° = 1$

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

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

$x = 70$

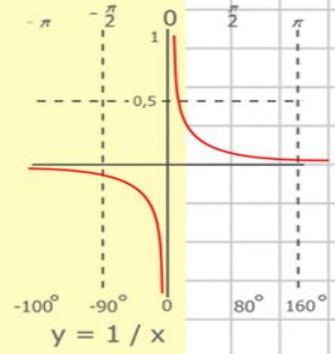
$(x+y)(x-y) = x^2 - y^2$

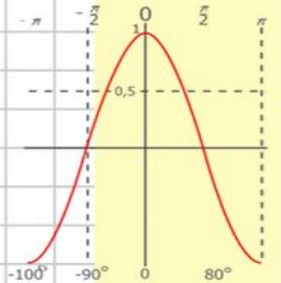
№ 142

НОД (680, 612) = 2*2 * 17 = 72

680	2
340	2
170	2
85	5
17	17
1	

612	2
306	2
153	3
51	3
17	17
1	





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

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

$\sin 90° = 1$

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

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

$x = 70$

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

ВЫБЕРИ ФИГУ

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

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

$\sin 90^\circ=1$

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

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

$x=70$

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

$y = 1 / x$

$y = \cos x$

2 x 2 = 4
3 x 3 = 9
4 x 4 = 16
5 x 5 = 25
6 x 6 = 36
7 x 7 =
8 x =

1. Какие числа называются простыми?
2. Делители числа а – это . . .
3. Признак делимости на 3 и на 9?
4. Наибольший общий делитель чисел – это…?
5. Назовите делители числа 70.

1. Какой наименьший делитель у любого числа? Наибольший?
2. Какие числа называются четными?
3. Назовите 4 кратных чисел 15.
4. Какие числа называются составными?
5. Признак делимости на 10?

1. Какие числа называются составными?
2. Назовите простые числа до 20.
3. Признак делимости на 5?
4. Кратные числа числу а – это . . .
5. Алгоритм нахождения НОД чисел

1. Признак делимости на 2?

2. Что значит требование разложить число на простые множители?

X = 2*3*14

3. Какое наименьшее и наибольшее кратное у числа?

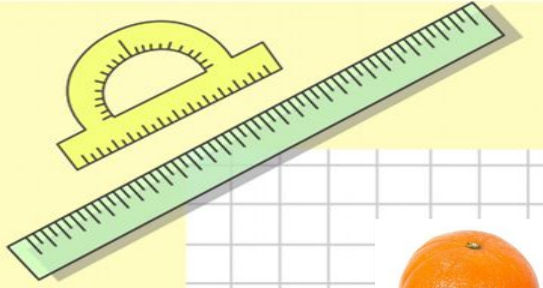
4. Назовите общие делители чисел 12 и 30?

5. Взаимно простые числа – это . . .

Найдите:

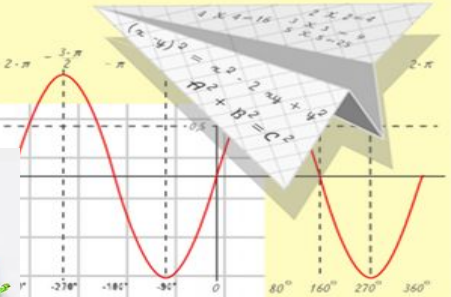
НОД(45, 60)=

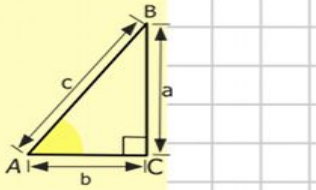
НОД (35, 70)=

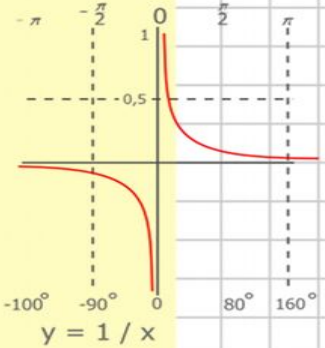


40

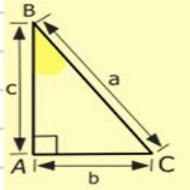
100

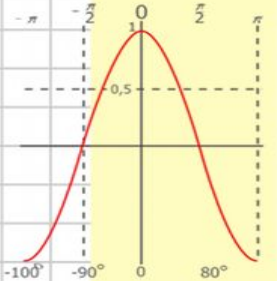






?





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

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

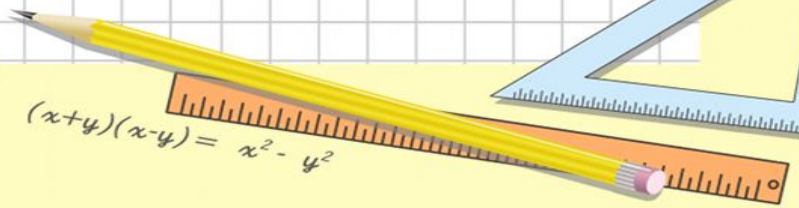
$$\frac{a}{c}+\frac{b}{c}=\frac{a+b}{c}$$

$\sin 90° = 1$

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

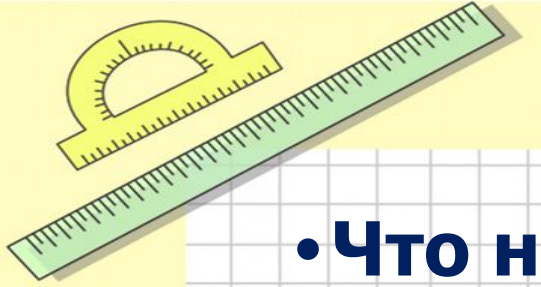
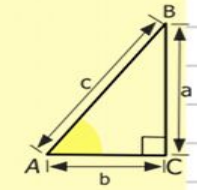
$$\begin{cases} y=1 \\ x=25+45 \end{cases}$$

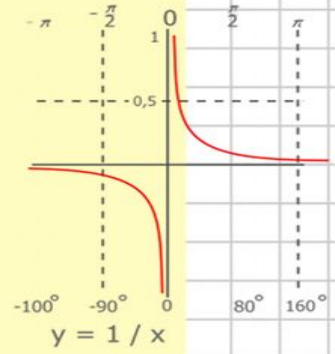
$x = 70$

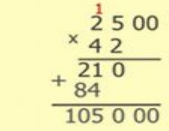


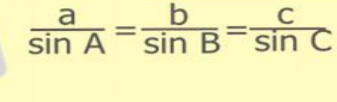
$(x+y)(x-y) = x^2 - y^2$

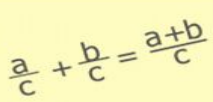
- Что нового вы узнали на уроке?
- Какой материал запомнился?
- Какой материал вызвал трудности?

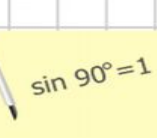



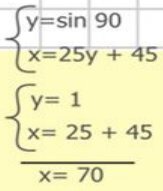


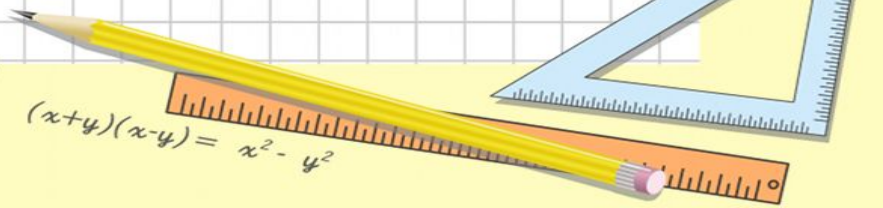


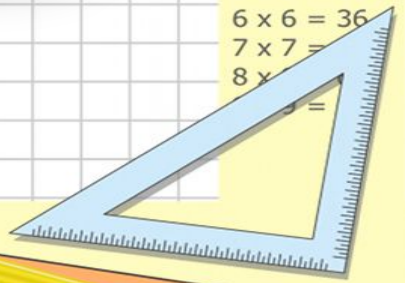
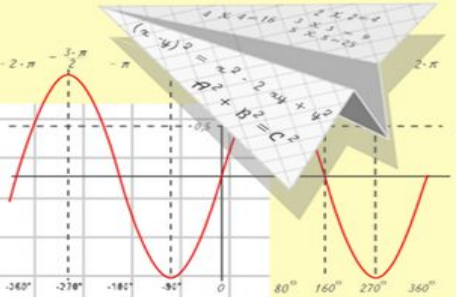
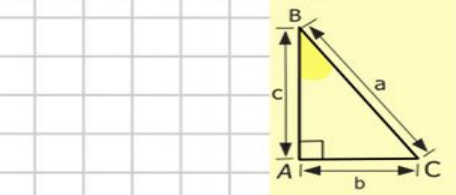



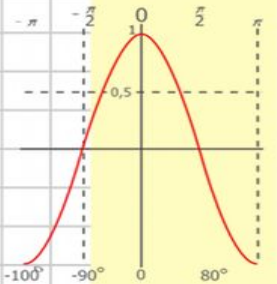






Домашнее задание

Повторить параграф 4-5, повторить алгоритм нахождения НОД чисел. Выполнить № 154, 156, 159.