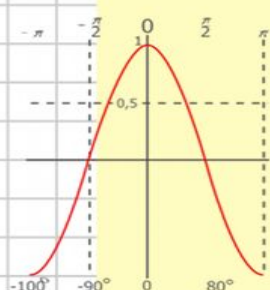
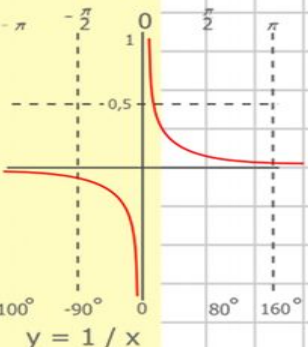
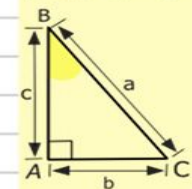
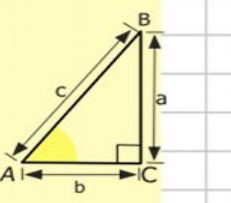
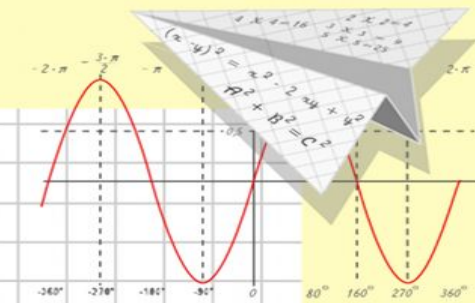
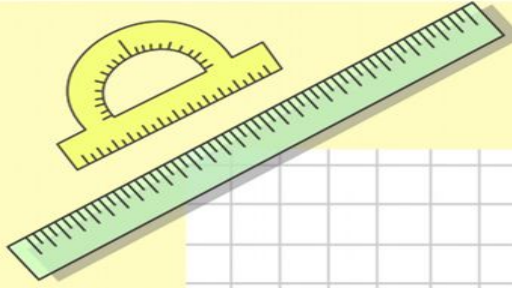


# МАОУ Ильинская СОШ Наибольший общий делитель 6 класс



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

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

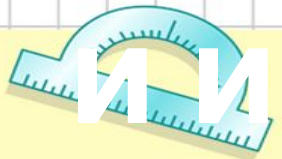


$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

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



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



$$\begin{cases} y = \sin 90 \\ x = 25y - 45 \\ \dots \\ x = 70 \end{cases}$$

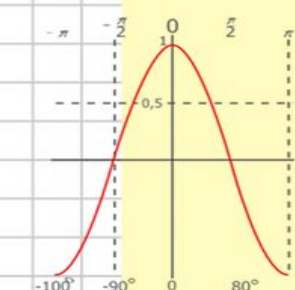
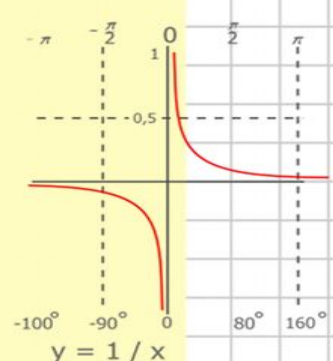
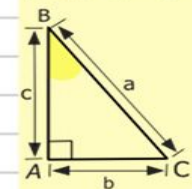
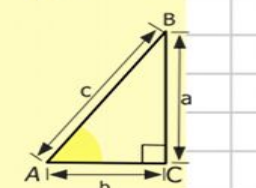
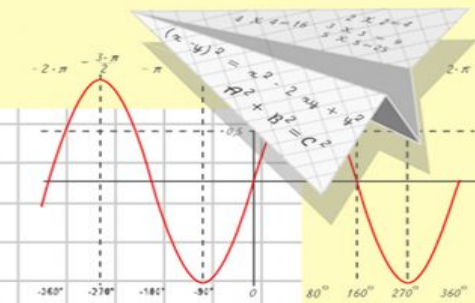
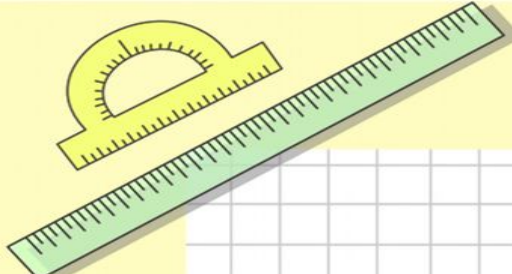


и информатики

**Что вы должны узнать на уроке?**

**Чему хотите научиться на уроке?**

**По каким критериям мы можем оценить свою работу на уроке?**



$$\begin{array}{r} \frac{1}{2} 500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 10500 \end{array}$$

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

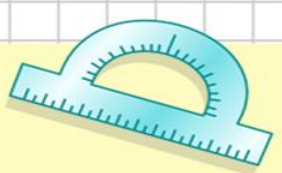


$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

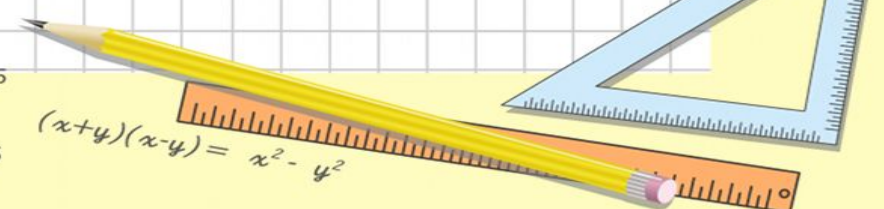
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$



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



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



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



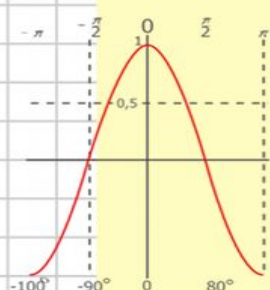
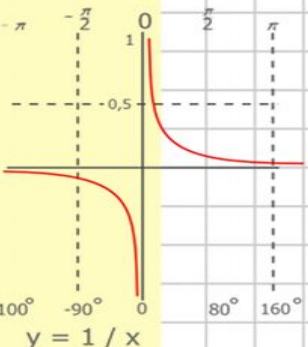
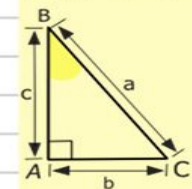
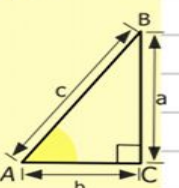
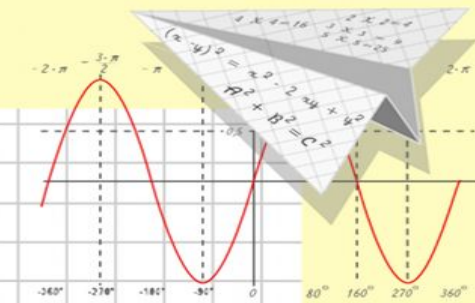
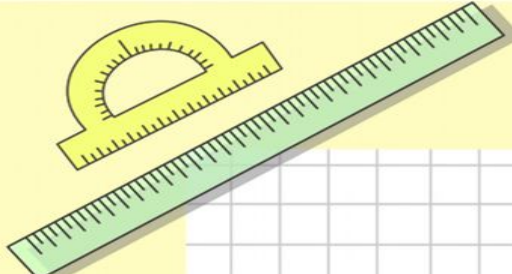
# № 112

1)  $X = 2 * 5 * 13$

$D(X) = \{2, 5, 13, 10, 26, 65, 130\}$

2)  $X = 3 * 3 * 3 * 7$

$D(X) = \{3, 9, 27, 21, 63, 189\}$



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

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

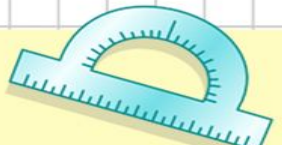


$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

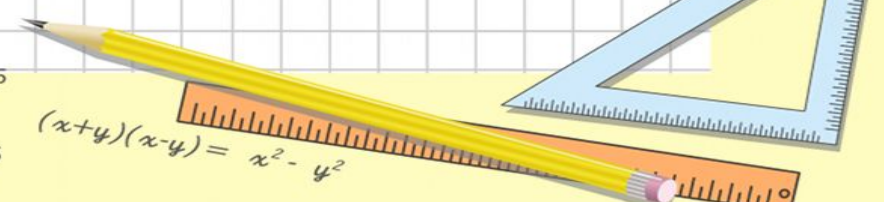
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$



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



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



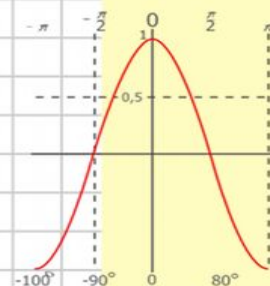
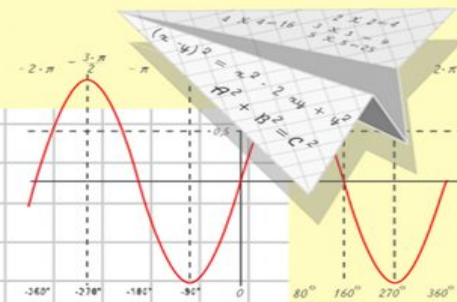
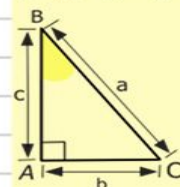
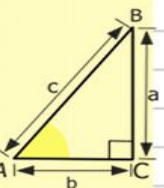
$$(x+y)(x-y) = x^2 - y^2$$

№ 142

**НОД (42, 105) = 3 \* 7 = 21**

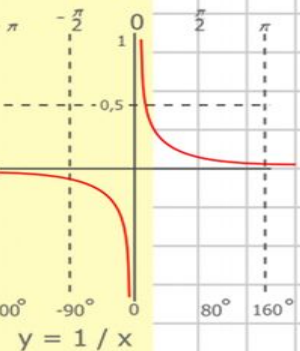
$$\begin{array}{r|l} 42 & 2 \\ & 21 \text{ (3)} \\ & 7 \text{ (7)} \\ & 1 \end{array}$$

$$\begin{array}{r|l} 105 & 3 \\ & 35 \text{ (5)} \\ & 7 \text{ (7)} \\ & 1 \end{array}$$



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 = 49
- 8 x 8 = 64



$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 210 \\ + 840 \\ \hline 10500 \end{array}$$

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

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

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

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

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



№ 142

НОД (588, 252) = 2\*2\*3\*7 = 84

$$\begin{array}{r}
 588 \overline{) 2} \\
 294 \overline{) 2} \\
 147 \overline{) 3} \\
 49 \overline{) 7} \\
 7 \overline{) 7} \\
 1
 \end{array}$$

$$\begin{array}{r}
 252 \overline{) 2} \\
 126 \overline{) 2} \\
 63 \overline{) 3} \\
 21 \overline{) 3} \\
 7 \overline{) 7} \\
 1
 \end{array}$$

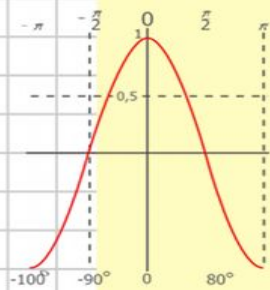
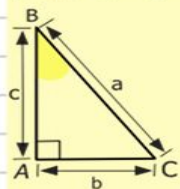
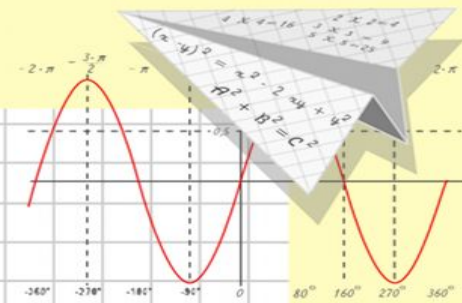
$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$

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

$\sin 90^\circ = 1$

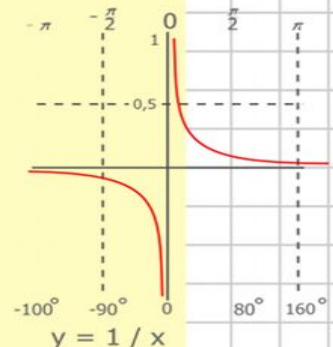
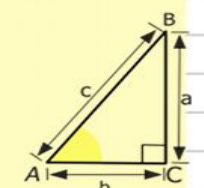
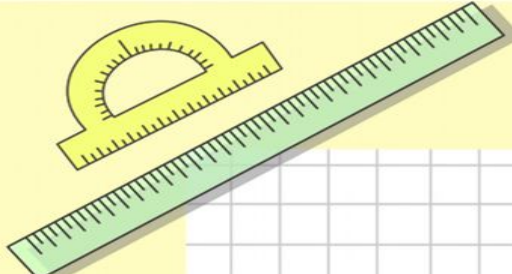
$$\begin{cases}
 y = \sin 90 \\
 x = 25y + 45 \\
 y = 1 \\
 x = 25 + 45 \\
 \hline
 x = 70
 \end{cases}$$

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

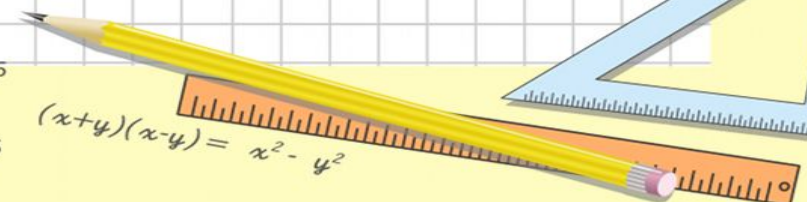


$y = \cos x$

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



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



№ 142

НОД (680, 612) = 2\*2 \* 17 = 72

$$\begin{array}{r}
 680 \ 2 \\
 340 \ 2 \\
 170 \ 2 \\
 85 \ 5 \\
 17 \ 17 \\
 1
 \end{array}$$

$$\begin{array}{r}
 612 \ 2 \\
 306 \ 2 \\
 153 \ 3 \\
 51 \ 3 \\
 17 \ 17 \\
 1
 \end{array}$$

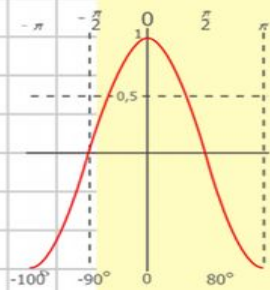
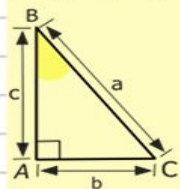
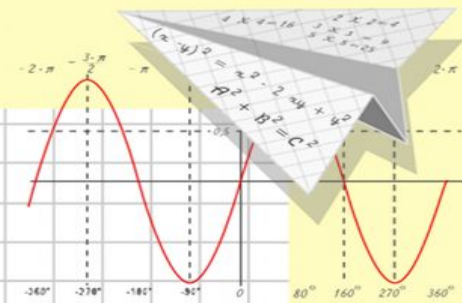
$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$

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

$\sin 90^\circ = 1$

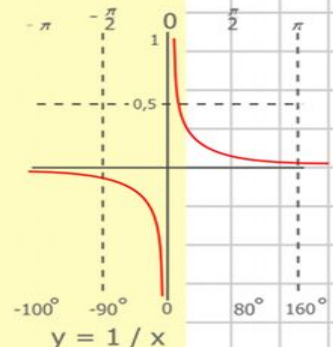
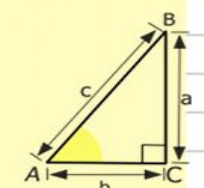
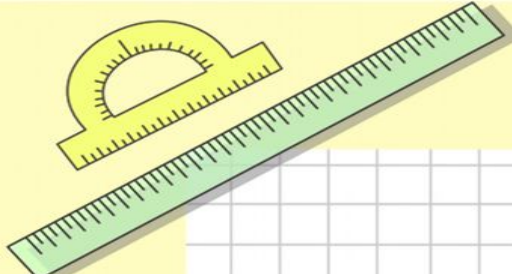
$$\begin{cases}
 y = \sin 90 \\
 x = 25y + 45 \\
 y = 1 \\
 x = 25 + 45 \\
 \hline
 x = 70
 \end{cases}$$

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

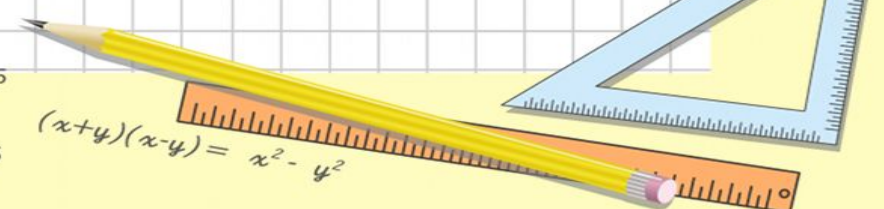


$y = \cos x$

- 2 x 2 = 4
- 3 x 3 = 9
- 4 x 4 = 16
- 5 x 5 = 25
- 6 x 6 = 36
- 7 x 7 = 49
- 8 x 8 = 64



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





# ВЫБЕРИ ФИГУРУ



2  
Диджей Звуки



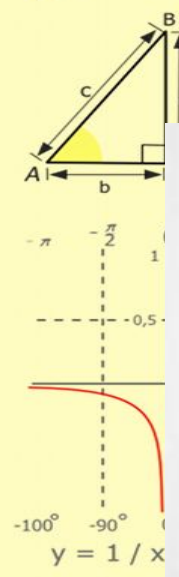
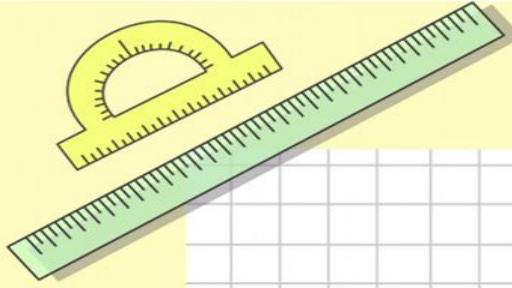
8  
Ручеёк



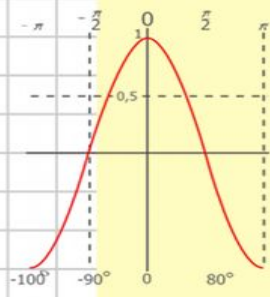
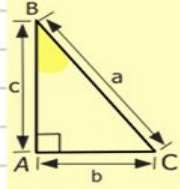
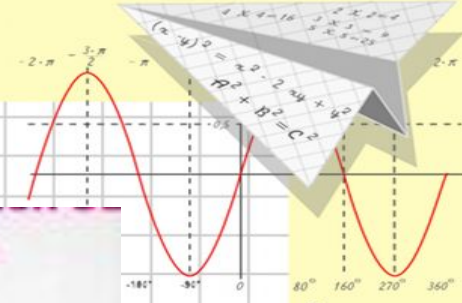
5  
Купер



7  
Розочка



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



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



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

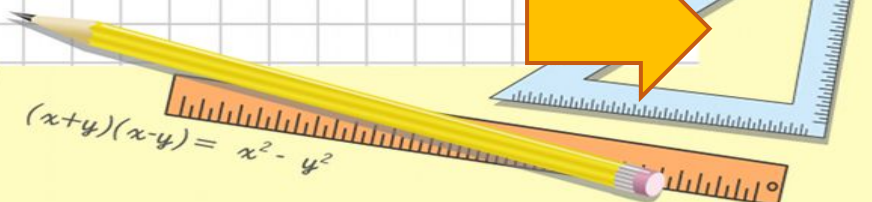
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$



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



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



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

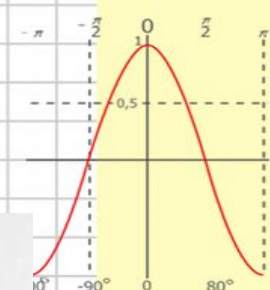
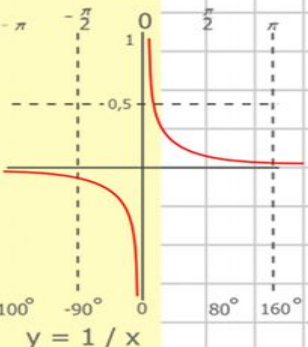
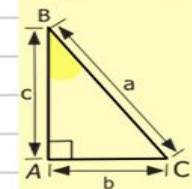
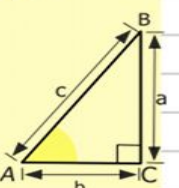
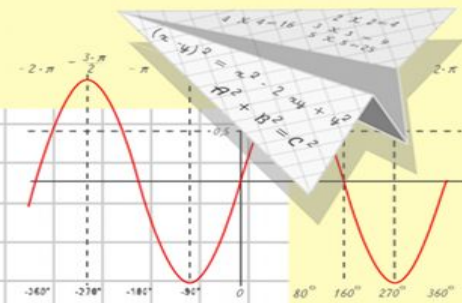
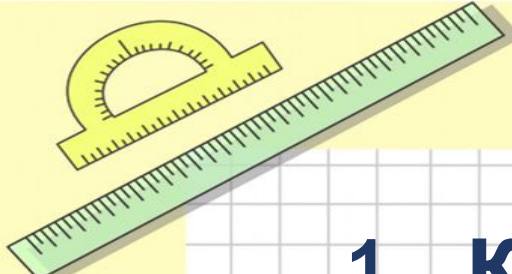
1. Какие числа называются простыми?

2. Делители числа  $a$  – это . . .

3. Признак делимости на 3 и на 9?

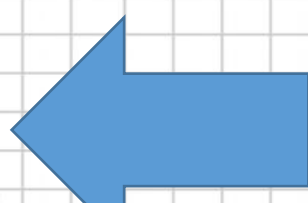
4. Наибольший общий делитель чисел – это...?

5. Назовите делители числа 70.



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

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

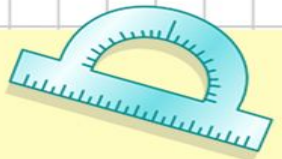


$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

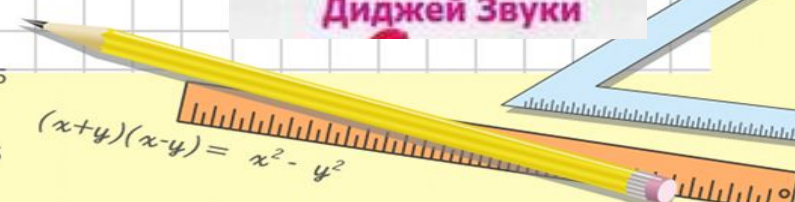
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$



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



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

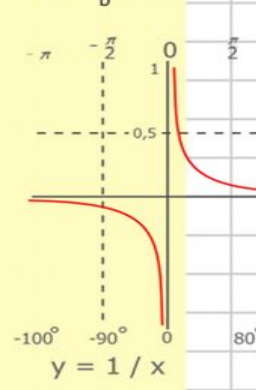
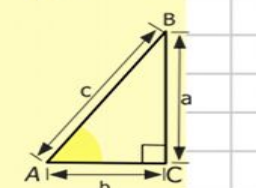
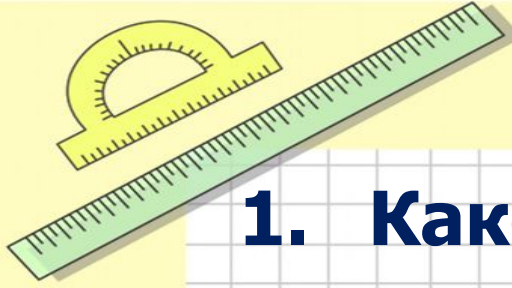


$$(x+y)(x-y) = x^2 - y^2$$





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?



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

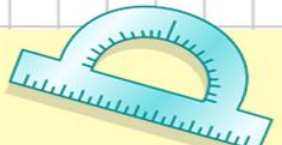


$$\frac{c}{\sin C} = \frac{a}{\sin A} = \frac{b}{\sin B}$$

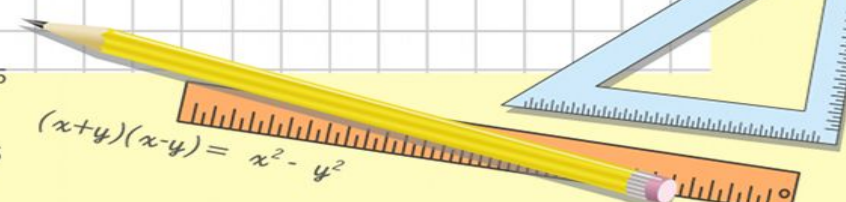
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$



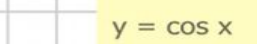
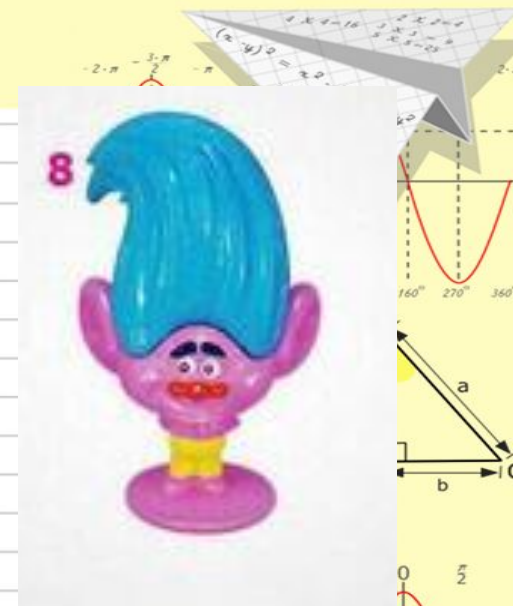
$$\sin 90^\circ = 1$$



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



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



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



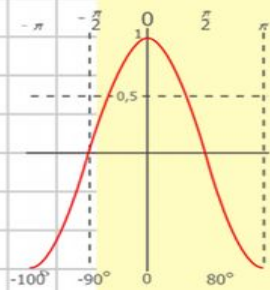
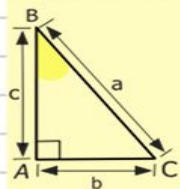
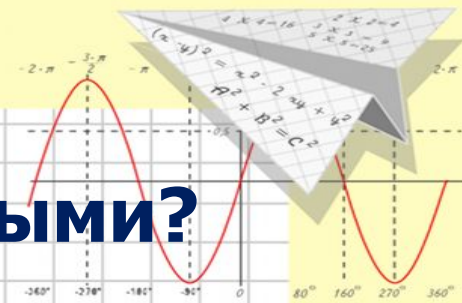
1. Какие числа называются составными?

2. Назовите простые числа до 20.

3. Признак делимости на 5?

4. Кратные числа числу а – это ...

5. Алгоритм нахождения НОД чисел



$y = \cos x$

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

$y = 1/x$

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



$\frac{c}{\sin C}$

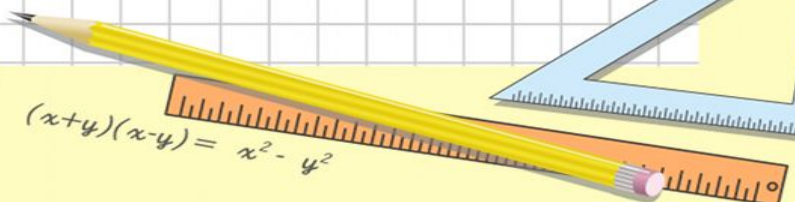
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$



$\sin 90^\circ = 1$



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



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



**1. Признак делимости на 2?**

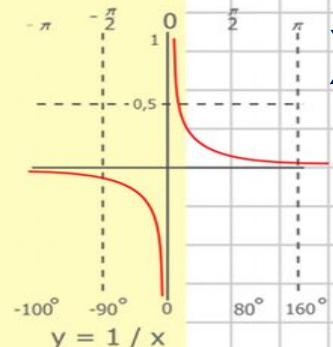
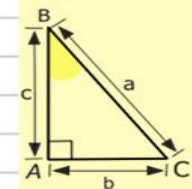
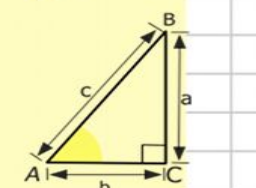
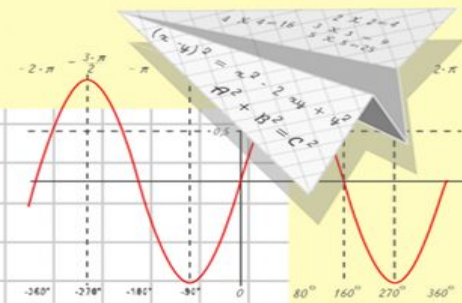
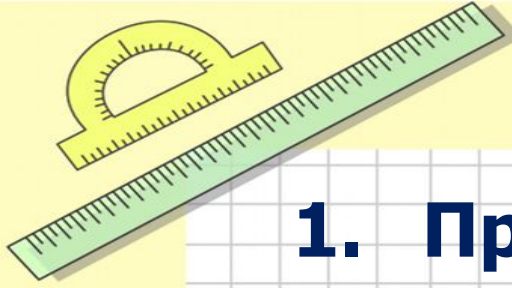
**2. Что значит требование разложить число на простые множители?**

$$X = 2 * 3 * 14$$

**3. Какое наименьшее и наибольшее кратное числу?**

**4. Назовите общие делители чисел 12 и 30?**

**5. Взаимно простые числа – это . . .**



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

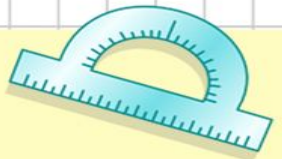


$$\frac{c}{\sin C} = \frac{a}{\sin A} = \frac{b}{\sin B}$$

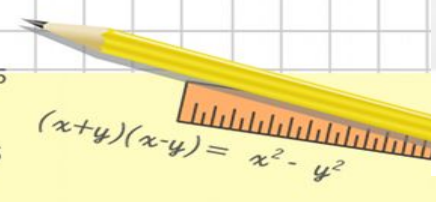
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$



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

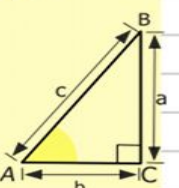
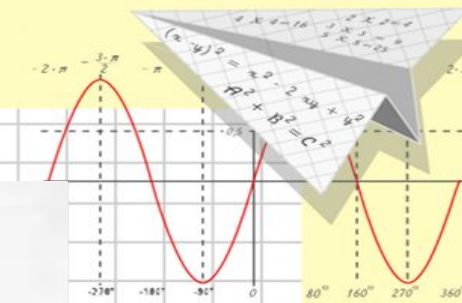
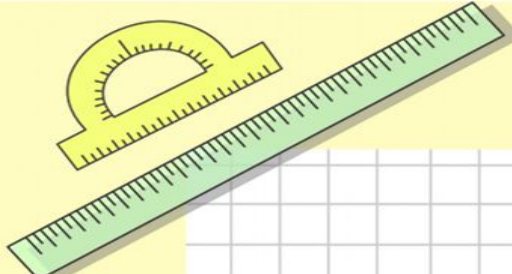


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases} \Rightarrow \begin{cases} y = 1 \\ x = 25 + 45 \\ x = 70 \end{cases}$$

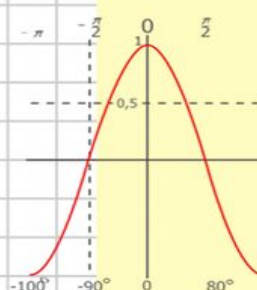
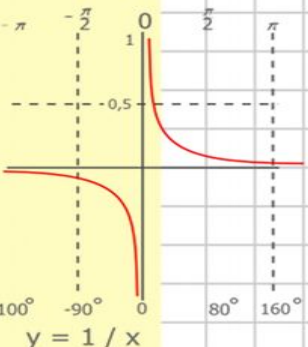
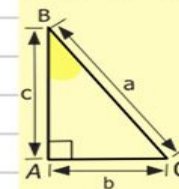


$$(x+y)(x-y) = x^2 - y^2$$

Розочка



Найдите:  
НОД(45, 60)=  
НОД (35, 70)=



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

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

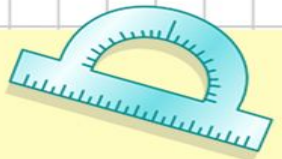


$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

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

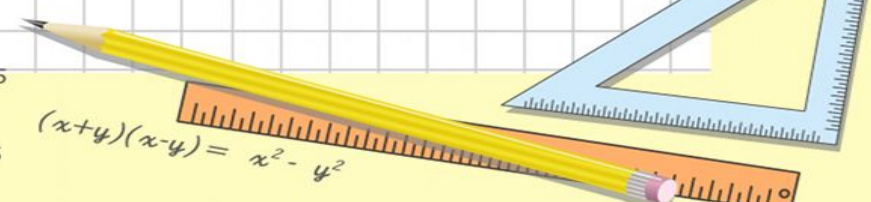


$$\sin 90^\circ = 1$$

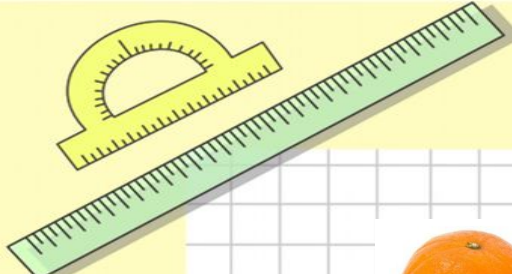


$$\begin{array}{l} y = \sin 90 \\ x = 25y + 45 \\ y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{array}$$

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



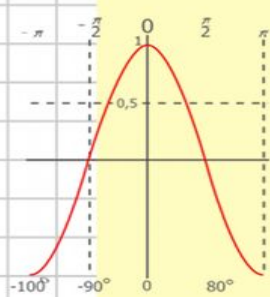
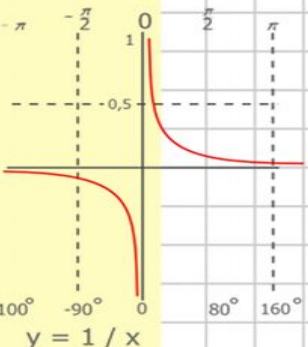
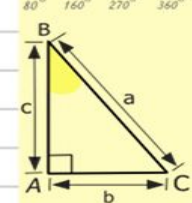
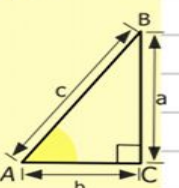
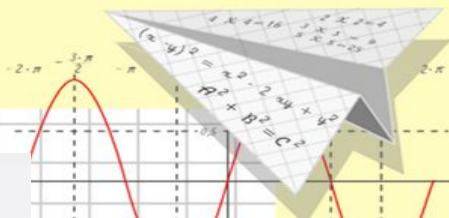




40



100



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

- $2 \times 2 = 4$
- $3 \times 3 = 9$
- $4 \times 4 = 16$
- $5 \times 5 = 25$
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- $8 \times 8 = 64$



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

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



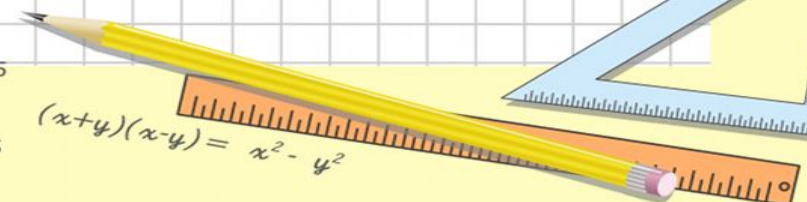
$$\sin 90^\circ = 1$$



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

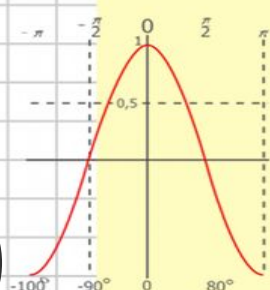
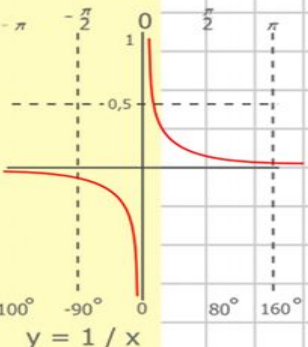
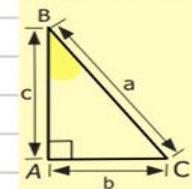
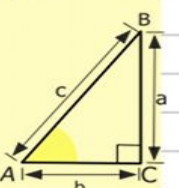
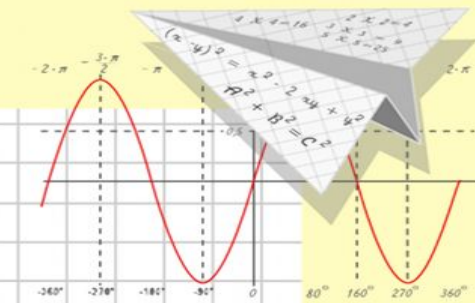
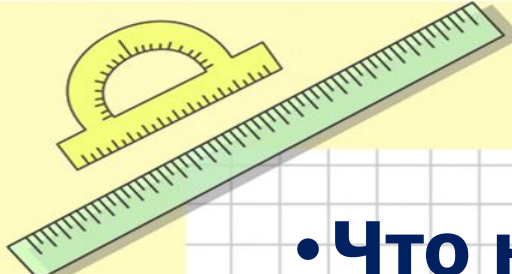
$$\begin{cases} y = 1 \\ x = 25 + 45 \end{cases}$$

$$\frac{x}{x=70}$$



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

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



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

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

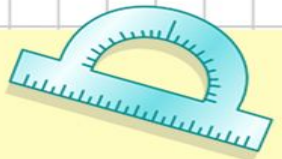


$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

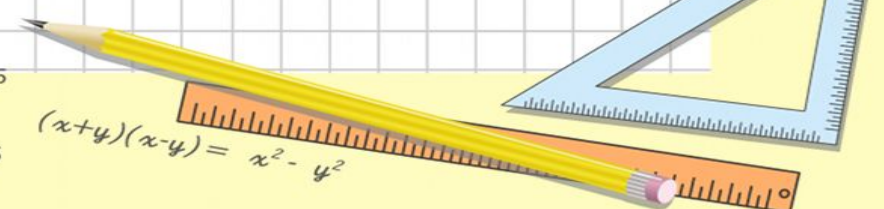
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$



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



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

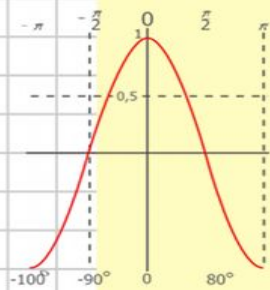
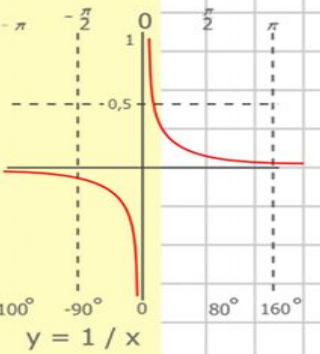
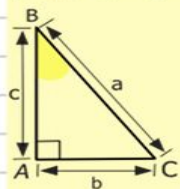
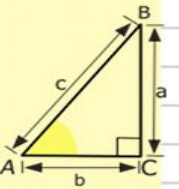
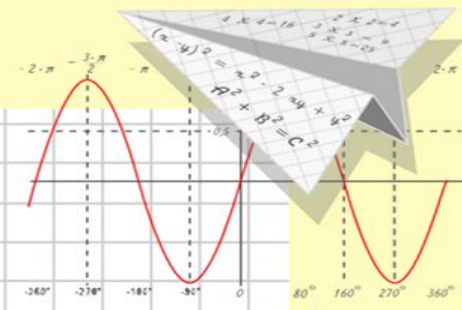
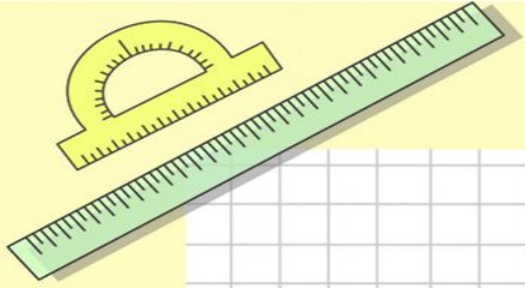


$$(x+y)(x-y) = x^2 - y^2$$



# Домашнее

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



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

- 2 x 2 = 4
- 3 x 3 = 9
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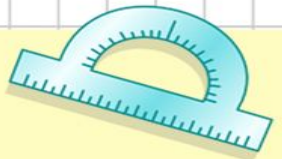


$$\frac{c}{\sin C} = \frac{a}{\sin A} = \frac{b}{\sin B}$$

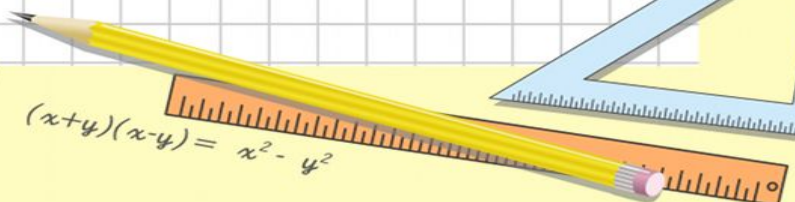
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$$(x+y)(x-y) = x^2 - y^2$$