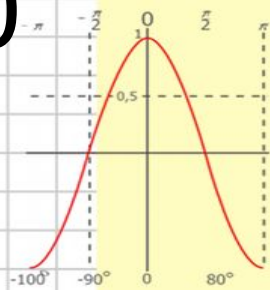
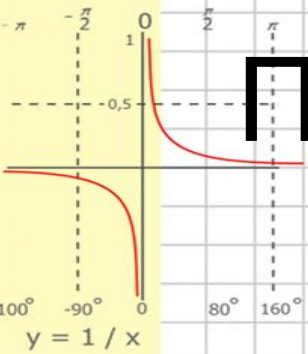
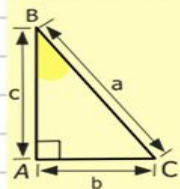
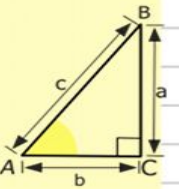
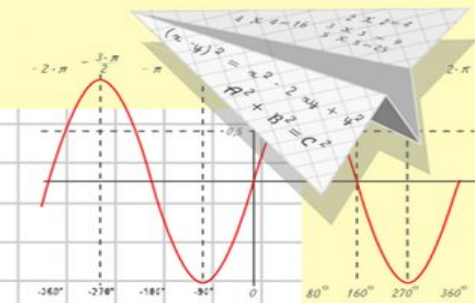
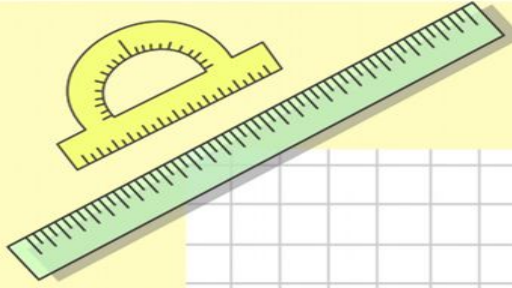


# Математика

## Приёмы вычислений вида $36+2$ , $36+20$

Сандова В.В.

учитель начальных классов  
МБОУ Сосьвинская СОШ



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

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



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

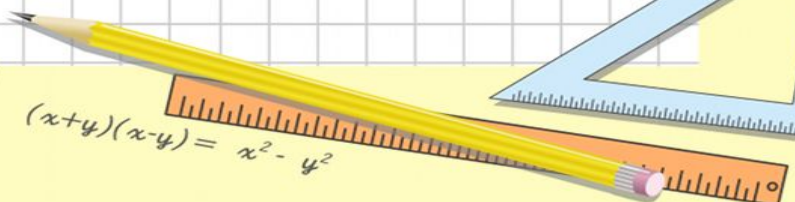
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$



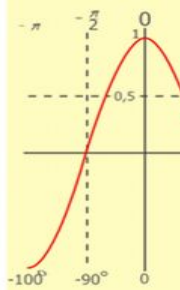
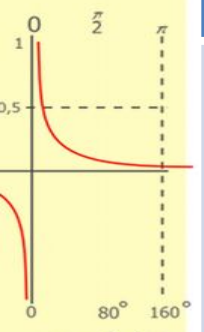
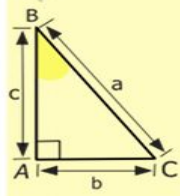
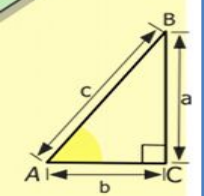
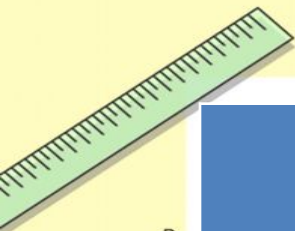
$$\sin 90^\circ = 1$$



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



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

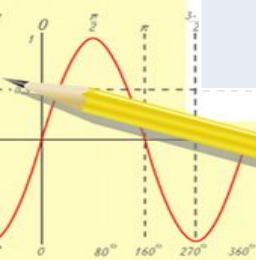


$$y = 1/x$$

$$y = \cos$$

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

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

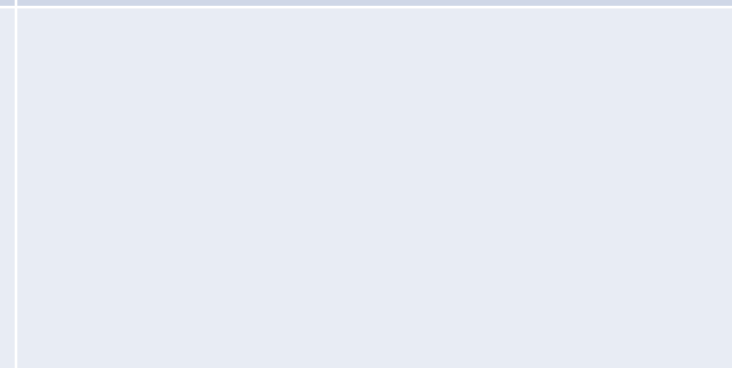
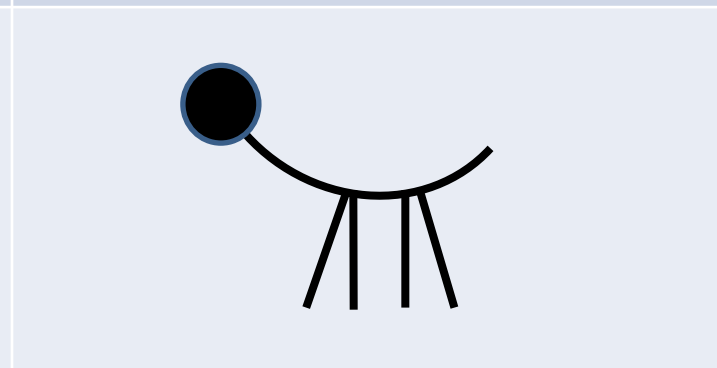
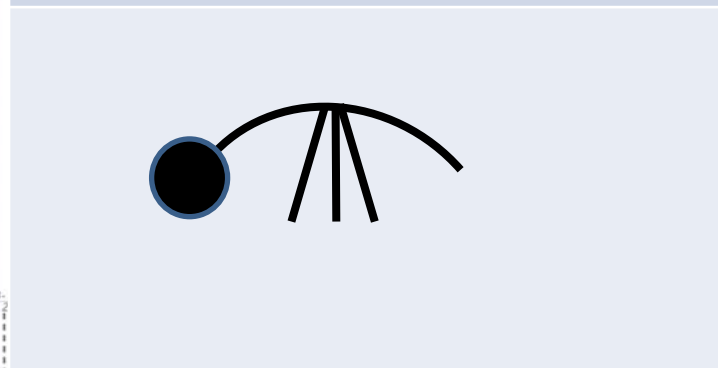
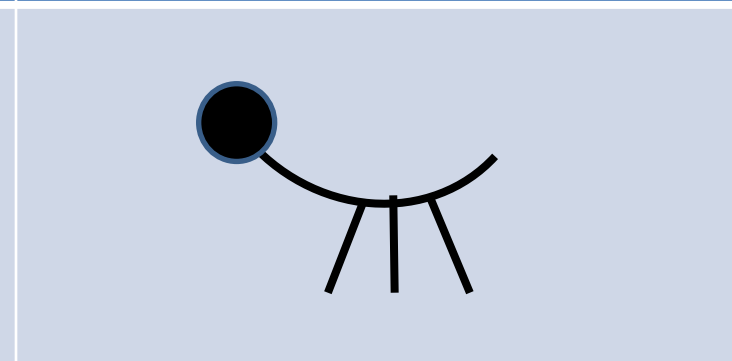
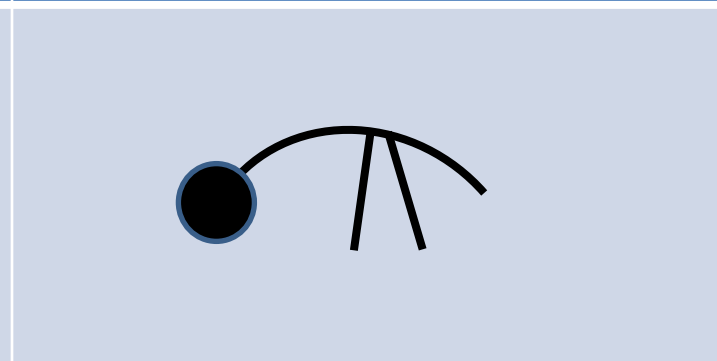
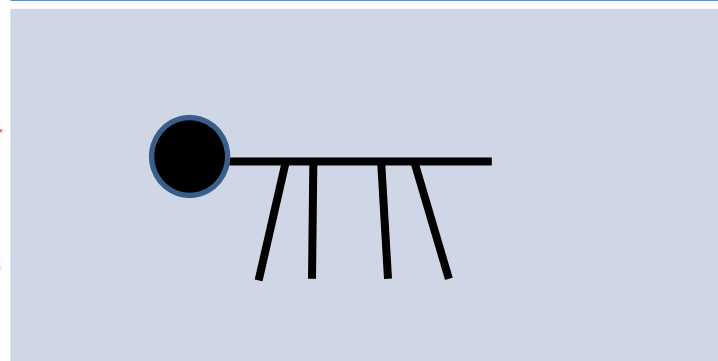
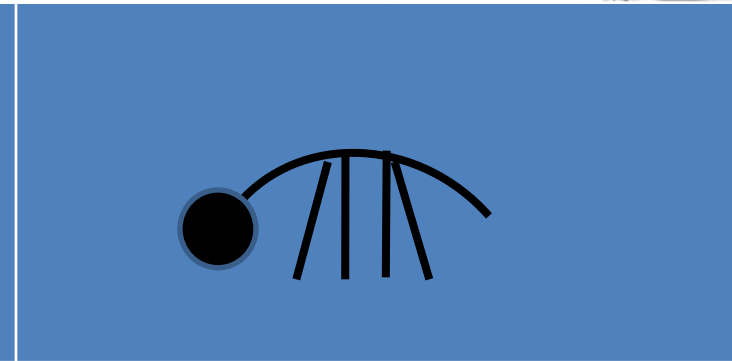
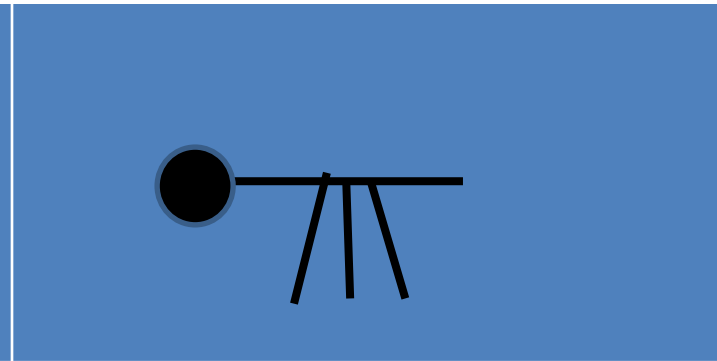
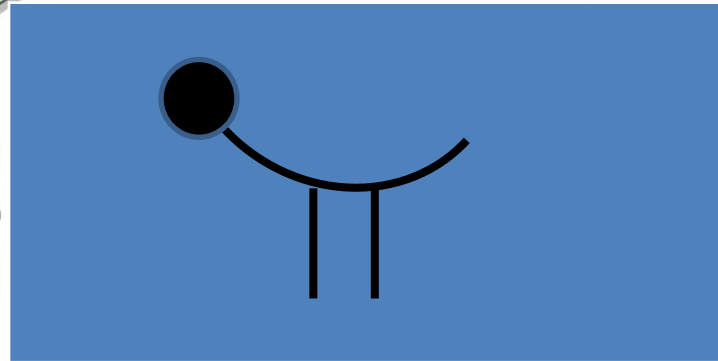
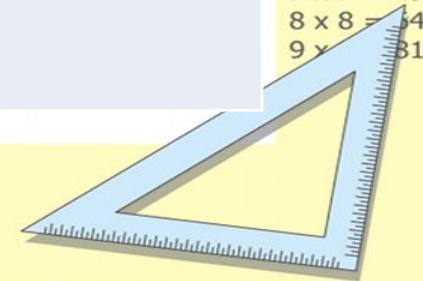
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

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



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

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



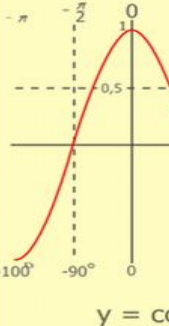
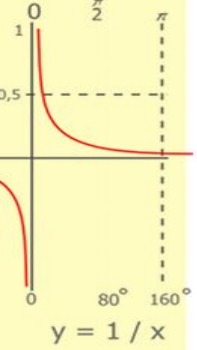
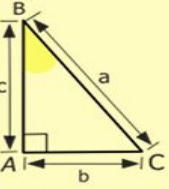
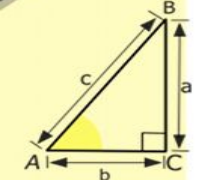
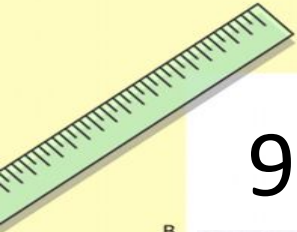
# 9 тюльпанов



# 4 гвоздики

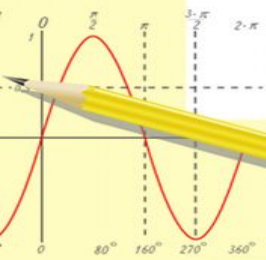


# 3 нарциса



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

- 2 x 2 = 4
- 3 x 3 = 9
- 4 x 4 = 16
- 5 x 5 = 25
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- 8 x 8 = 64
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$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

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

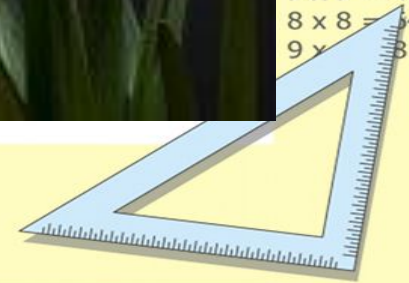
$$\sin 90^\circ = 1$$

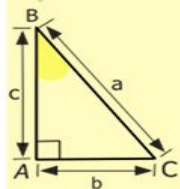
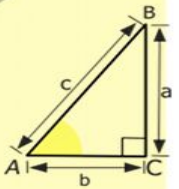
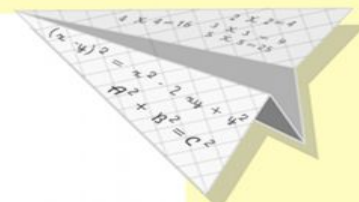
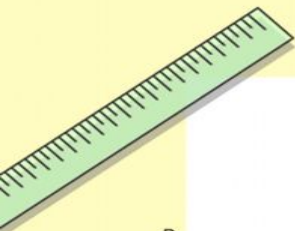


$$\begin{cases} y = \sin x \\ x = 25y + 45 \end{cases}$$

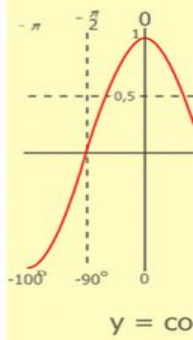
$$\begin{cases} y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

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



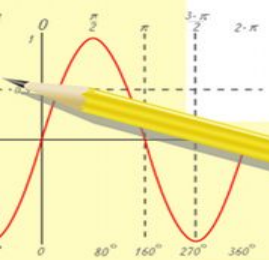


**- , + , - , - , + , + , + , + , - , - .**



$$\begin{array}{r} \frac{1}{2} 500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 105000 \end{array}$$

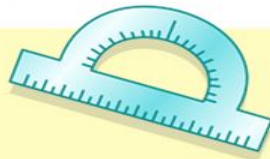
- 2 x 2 = 4
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$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

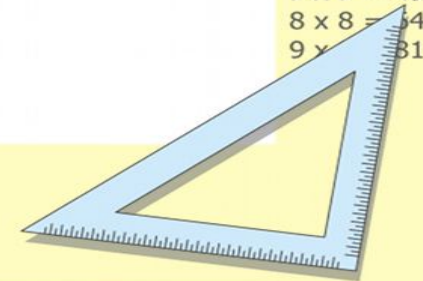
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

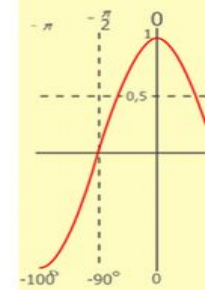
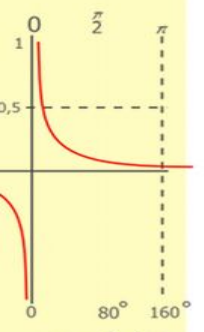
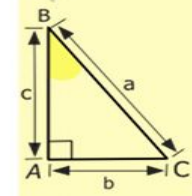
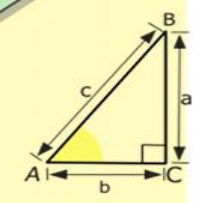
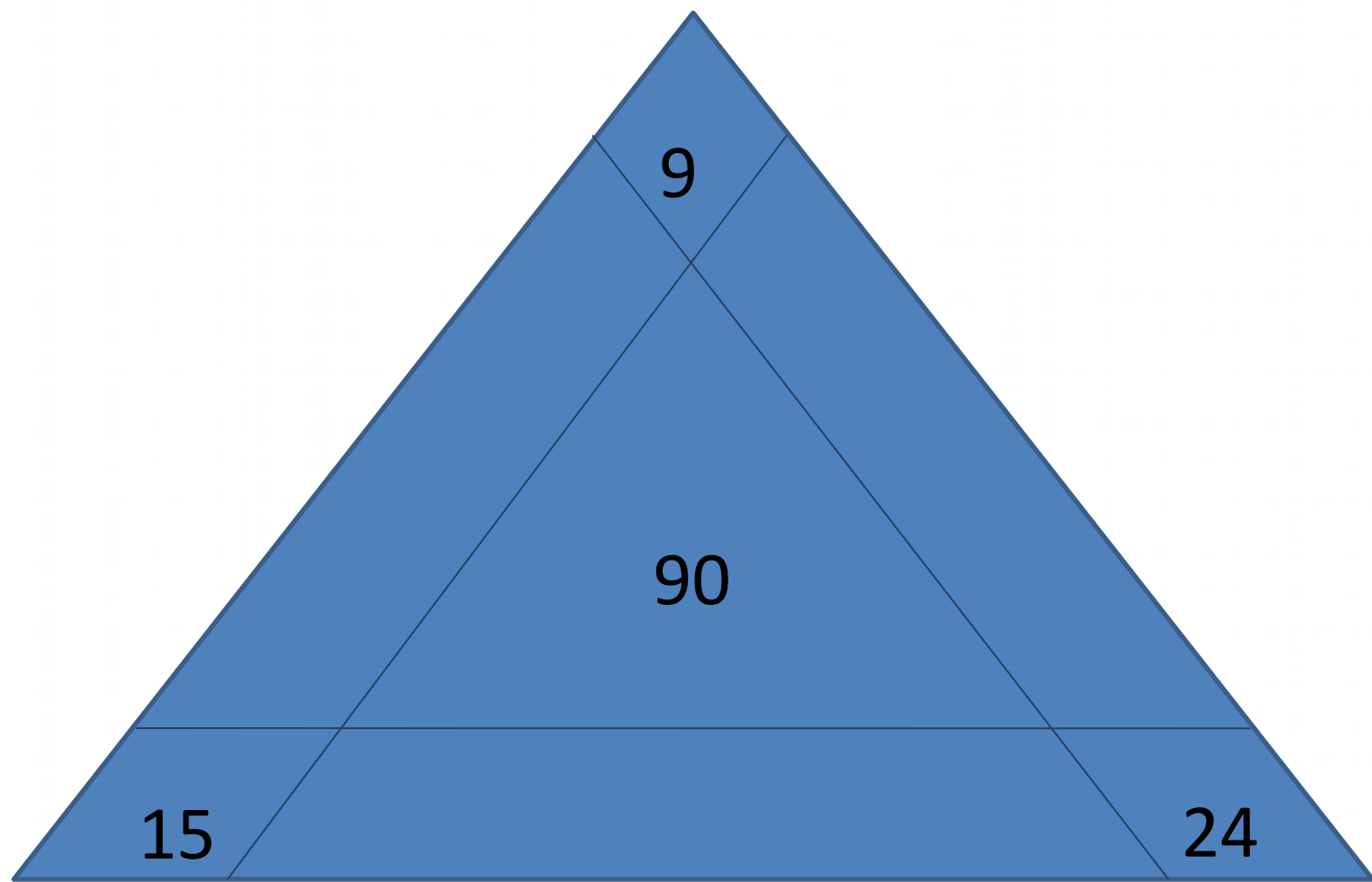
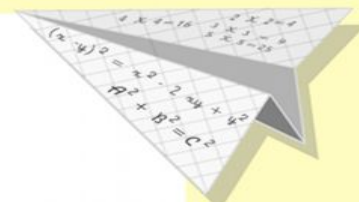
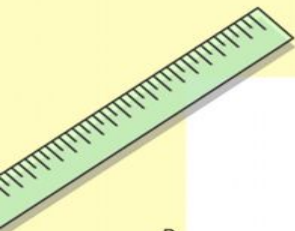
$$\sin 90^\circ = 1$$



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

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



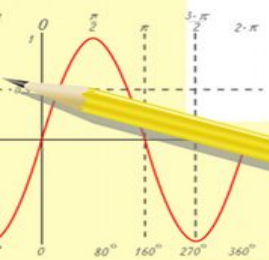


$y = 1 / x$

$y = \cos$

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

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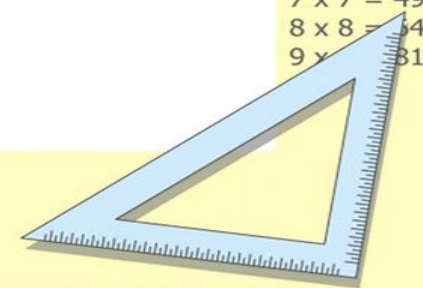
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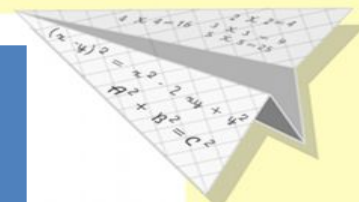
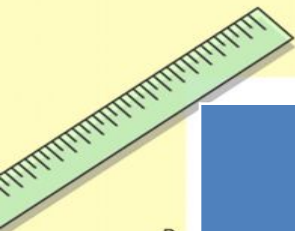
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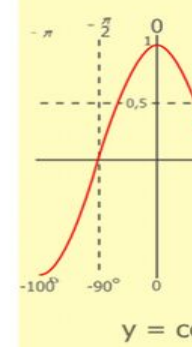
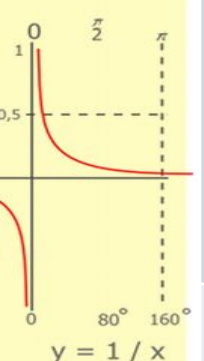
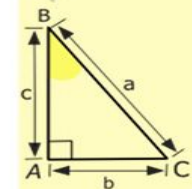
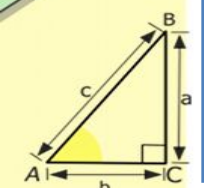
$$(x+y)(x-y) = x^2 - y^2$$





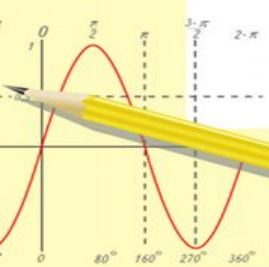
9	8	13
4	10	6
7	12	11

40	5	30
15	25	35
20	45	10



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

- 2 x 2 = 4
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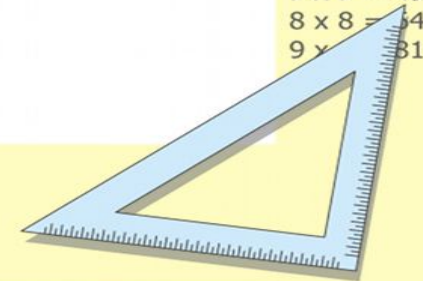
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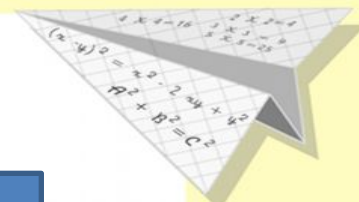
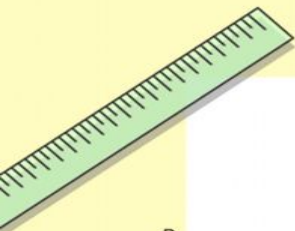
$$\sin 90^\circ = 1$$



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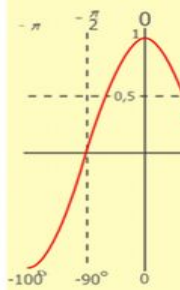
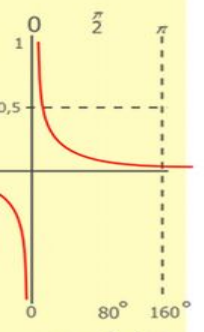
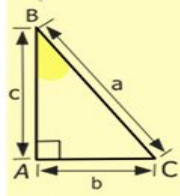
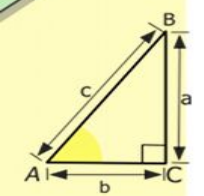


5  $\xrightarrow{+8}$    $\xrightarrow{-6}$    $\xrightarrow{+7}$    $\xrightarrow{-9}$    $\xrightarrow{+0}$

17  $\xrightarrow{-8}$    $\xrightarrow{+9}$    $\xrightarrow{-7}$    $\xrightarrow{-6}$    $\xrightarrow{+30}$

6  $\xrightarrow{+9}$    $\xrightarrow{-7}$    $\xrightarrow{+3}$    $\xrightarrow{-10}$    $\xrightarrow{+50}$

3  $\xrightarrow{+3}$    $\xrightarrow{+2}$    $\xrightarrow{-4}$    $\xrightarrow{+2}$    $\xrightarrow{-6}$



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

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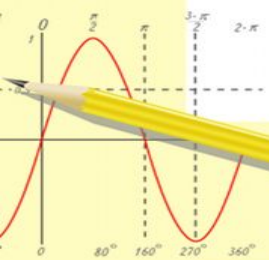
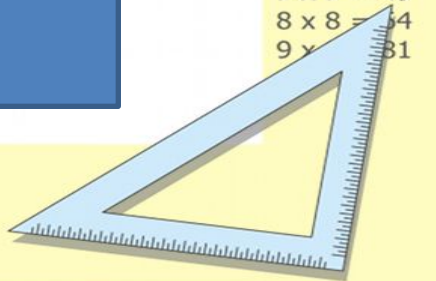
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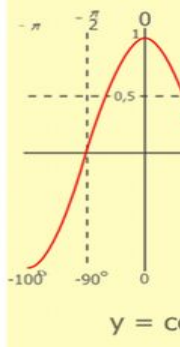
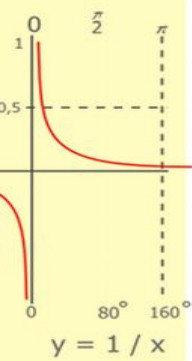
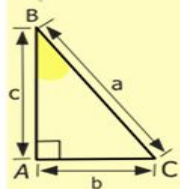
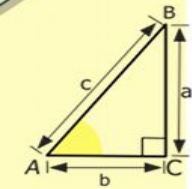
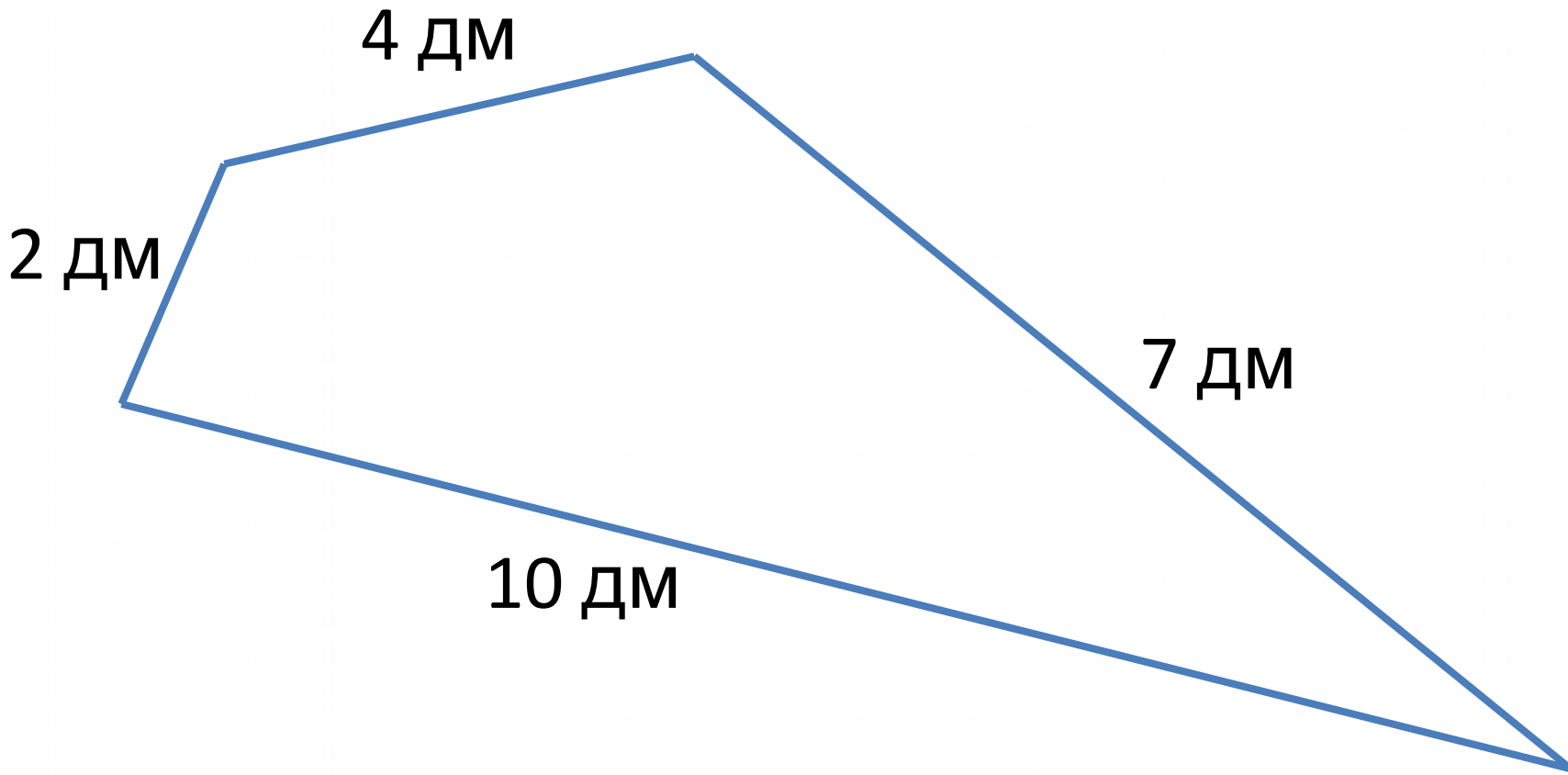
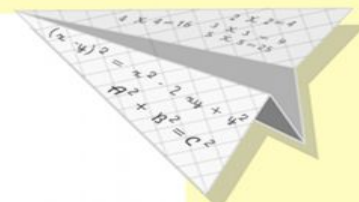
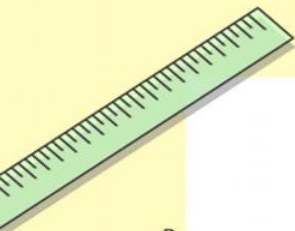
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$$(x+y)(x-y) = x^2 - y^2$$

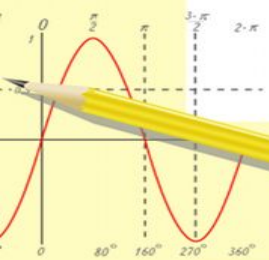




$$\begin{array}{r} \frac{1}{2} 5\ 00 \\ \times 4\ 2 \\ \hline 21\ 0 \\ + 84 \\ \hline 105\ 0\ 00 \end{array}$$

P=

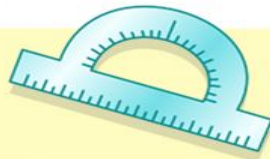
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$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

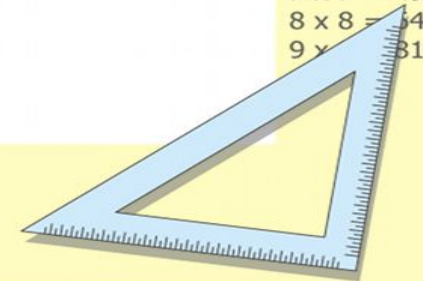
$$\sin 90^\circ = 1$$



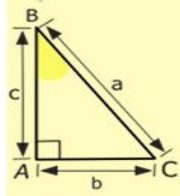
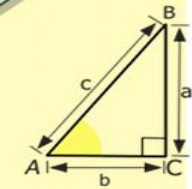
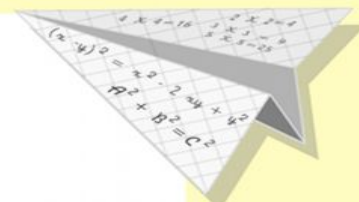
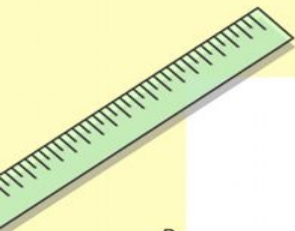
$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

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



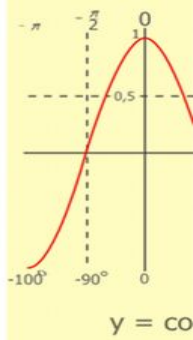
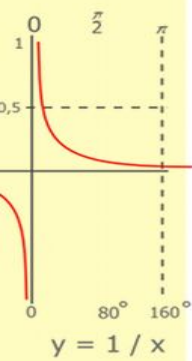




$$20+4+30+6+10=$$

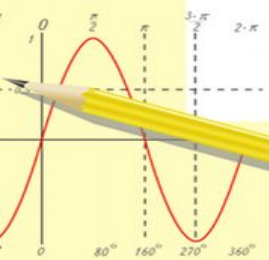
$$2+40+10+10+8=$$

$$60+20+6+3=$$



$$\begin{array}{r} \frac{1}{2} 500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 105000 \end{array}$$

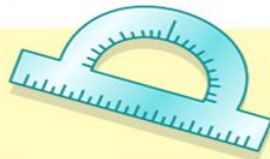
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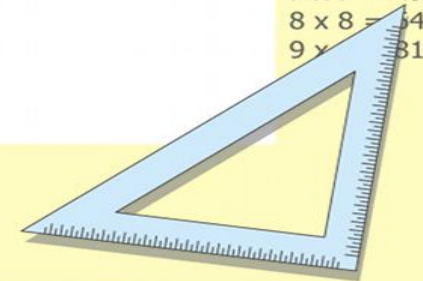
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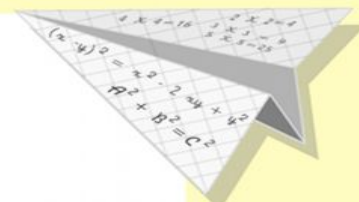
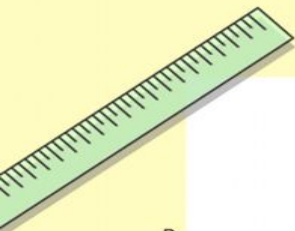


$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

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

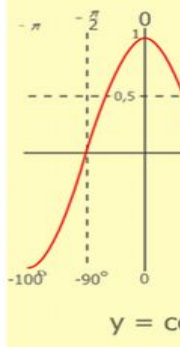
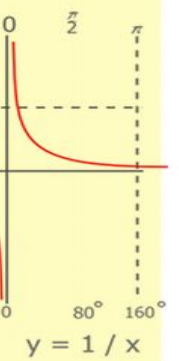
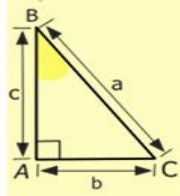
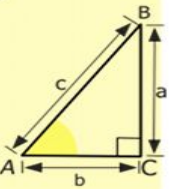
$$(x+y)(x-y) = x^2 - y^2$$





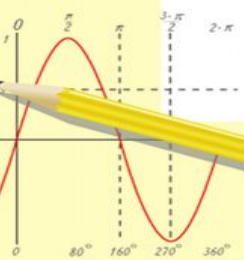
$$13+4=10+3+4=10+7=17$$

10 3



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

10 3



- 2 x 2 = 4
- 3 x 3 = 9
- 4 x 4 = 16
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- 8 x 8 = 64
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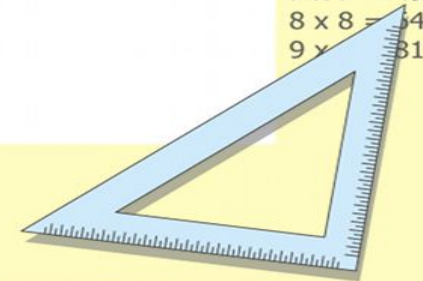
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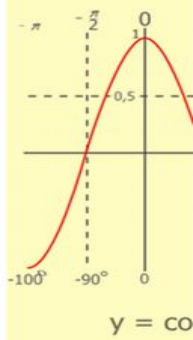
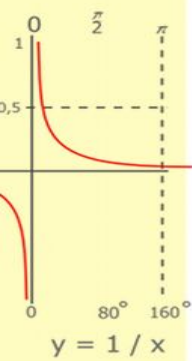
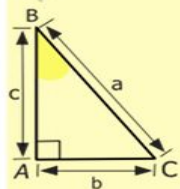
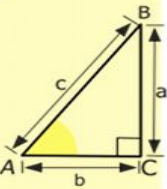
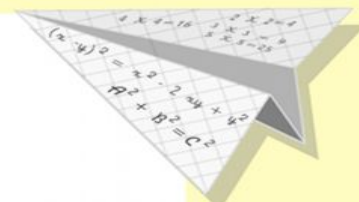
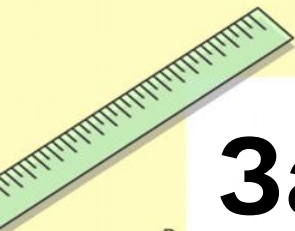
$$(x+y)(x-y) = x^2 - y^2$$



# Запомни!

## Единицы складываются с единицами!

## Десятки складываются с десятками!



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

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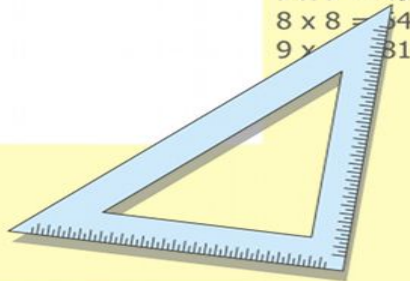
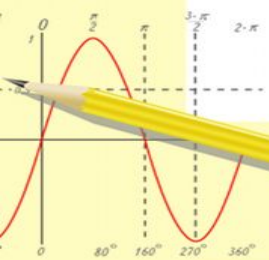
$$\sin 90^\circ = 1$$



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

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



# V. Физкультминутка

Ползёт улитка по тропе,  
 Несёт свой домик на спине.  
 Ползёт тихонько, не спешит,  
 По сторонам во всю глядит.  
 Ну а когда устанет очень  
 И отдохнуть она захочет,  
 То может быстренько свернуться  
 И шаром круглым обернуться.



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

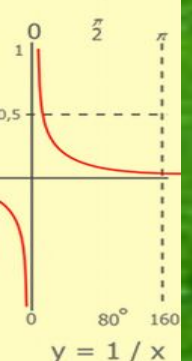
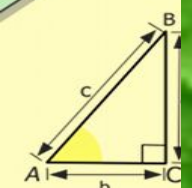
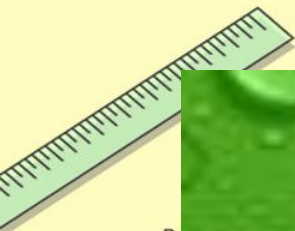
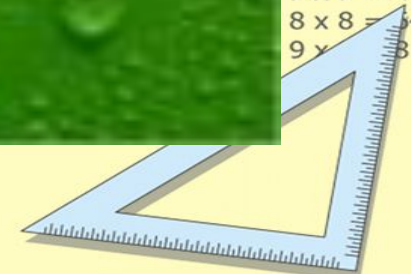
$$\frac{a}{c} + \frac{b}{c} = \frac{a+b}{c}$$

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

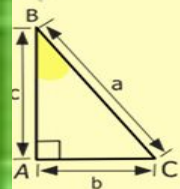
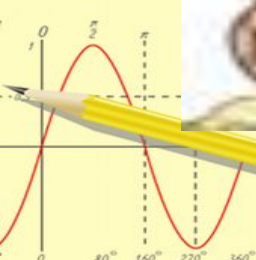


$$\begin{cases} x = 25y + 45 \\ y = 1 \\ x = 25 + 45 \\ \hline x = 70 \end{cases}$$

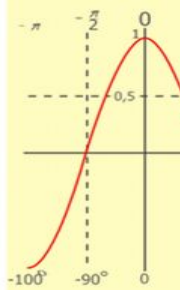
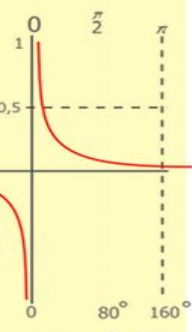
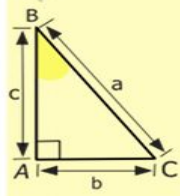
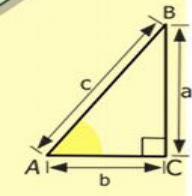
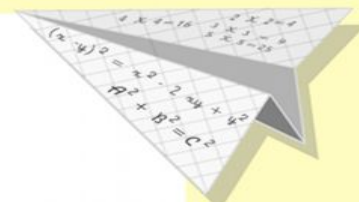
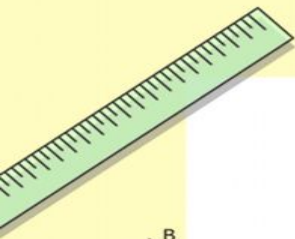
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$$\begin{array}{r} 2500 \\ \times 42 \\ \hline 210 \\ + 84 \\ \hline 10500 \end{array}$$



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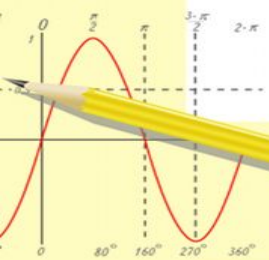


$y = 1 / x$

$y = \cos$

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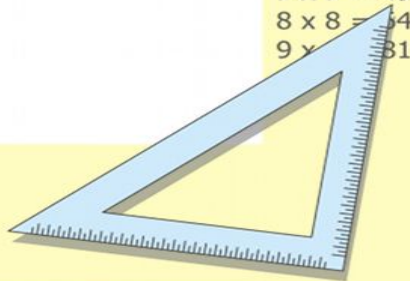
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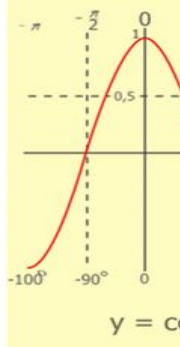
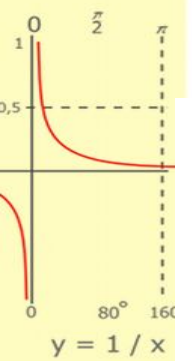
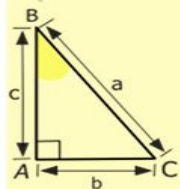
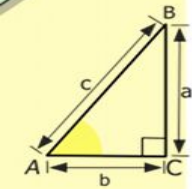
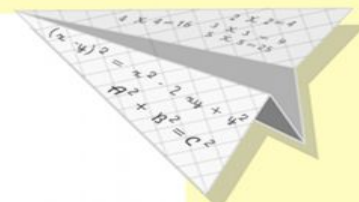
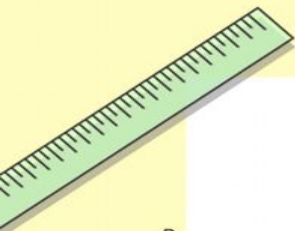
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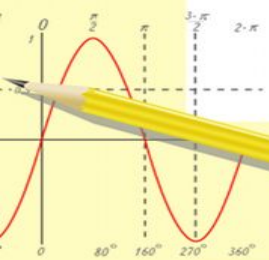


# КАК ТЕБЕ УРОК?



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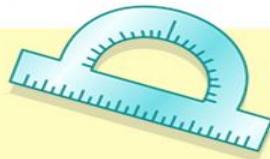
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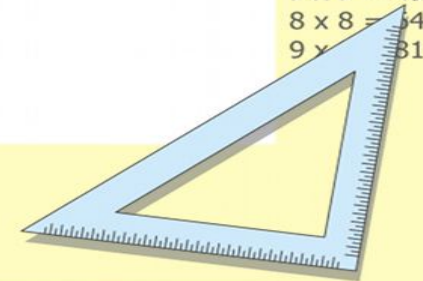
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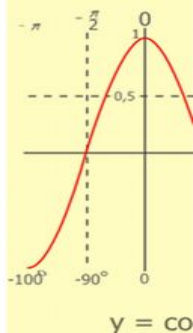
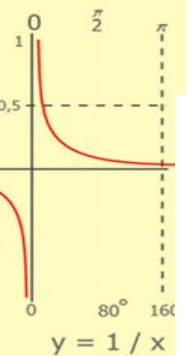
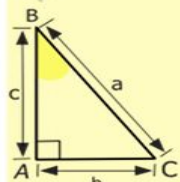
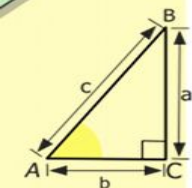
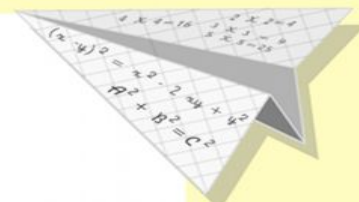
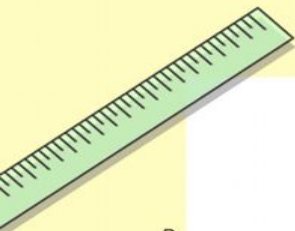
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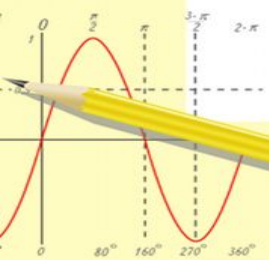


# Я РАБОТАЛ НА УРОКЕ



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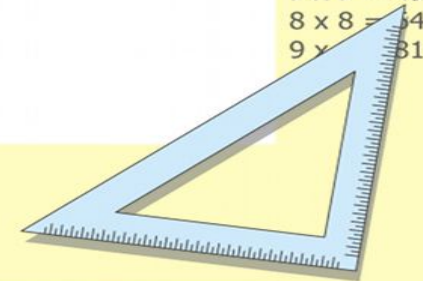
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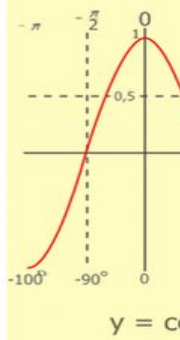
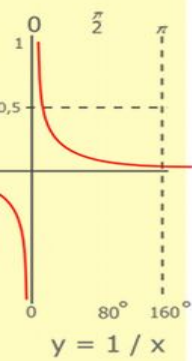
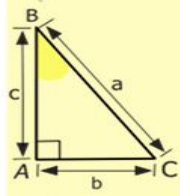
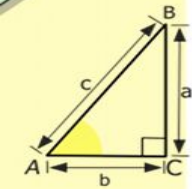
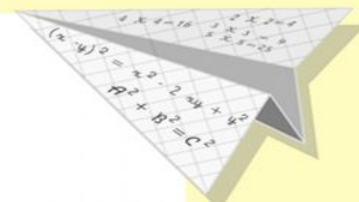
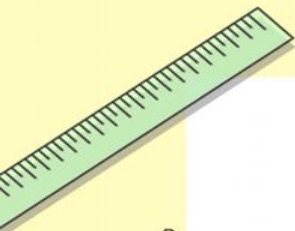
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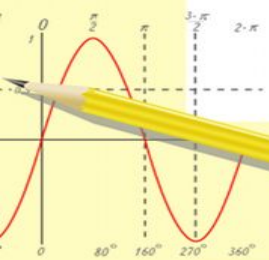
# Всем спасибо!

# МОЛОДЦЫ!!



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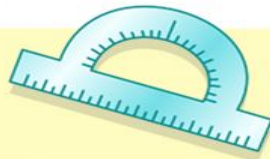
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