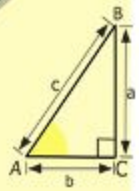
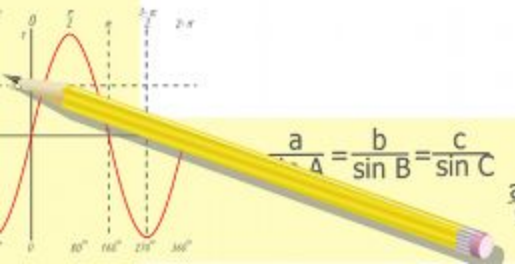
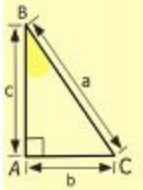
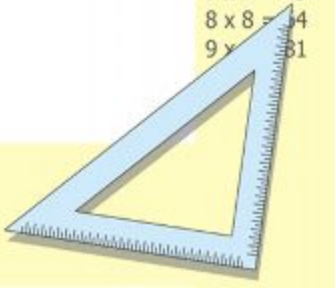









« Формула разности квадратов двух выражений»

Задание 1

Прочитайте выражения:

1. $a^2 - b^2$;
2. $(a - b)^2$;
3. $y+5$;
4. $(c - n)(c + n)$.
5. $x^2 - y^2$;
6. $(a + b)^2$;
7. $x-3$;
8. $(p+e)(p-e)$

Задание №2
Определите верные и неверные равенства

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

$(4a^2)^2 = 16a^4$

$(3a – 7b)(3b + 9a) = 9a^2 – 49b^2$

$(0,3xy^3)^2 = 0,09x^2y^6$

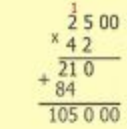
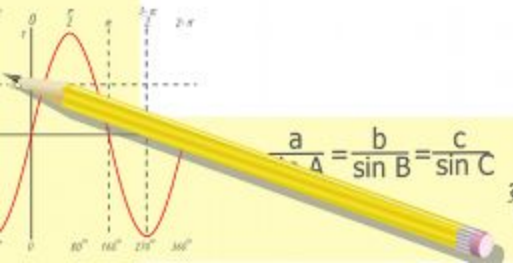
$(a - b)(a + b) = a^2 – b^2 + 2ab$

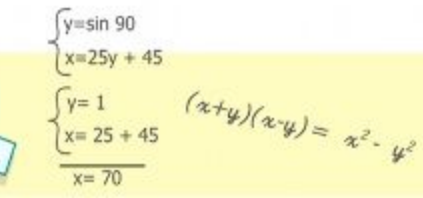
$(a - в)^2 = (a-в)(a-в)$

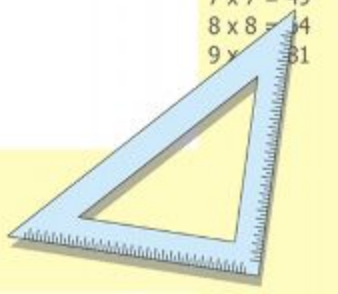
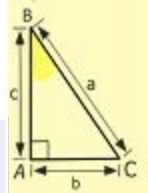
$(c + n)(n - c) = c^2 – n^2$

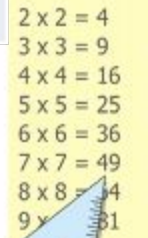
Задание №3
Замените пропуски одночленами, чтобы выполнялось равенство:

1. $(\_\_ - 8a)(\_\_ + \_\_) = 9c^2 - \_\_$
2. $36a^2 - \_\_ = (\_\_ + \_\_)(\_\_ - 10в)$
3. $0{,}81x^6 - \_\_ = (\_\_ - 11y^2)(\_\_ + \_\_)$



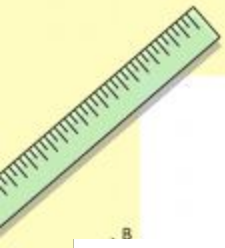
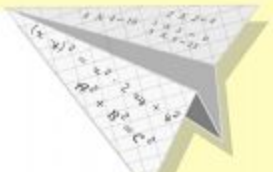
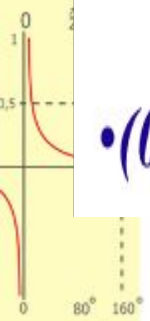



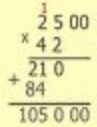



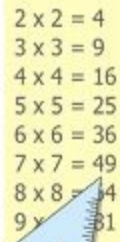
Задание № 4
Самостоятельная работа

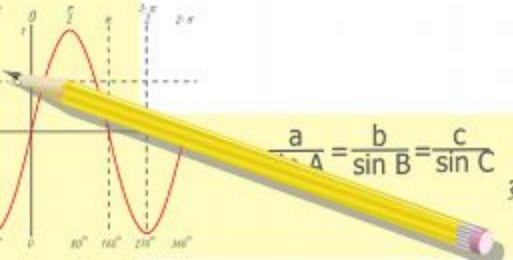
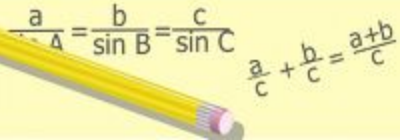
- $(4x^2 - 2y^3)(4x^2 + 2y^3) =$
- $(10m + 8n^5)(10m - 8n^5) =$
- $(15x - 8y^2)(15x + 8y^2)$
- $(3b - 1)(3b + 1) - (b - 5)(b + 5)$
- $(6m - 10n)(6m + 10n) - 100n^2$
- $8x(1 + 2x) - (4x + 3)(4x - 3)$
- $(x + y)(x - y) + (y - a)(y + a)$
- $(0{,}9x^7 - 2y^3)(0{,}9x^7 + 2y^3)$
- $9\ (2 + 3x)(2-3x) + (9x + 6)(9x - 6)$
- $(3x^2 y - 4c)(3x^2 y + 4c)$

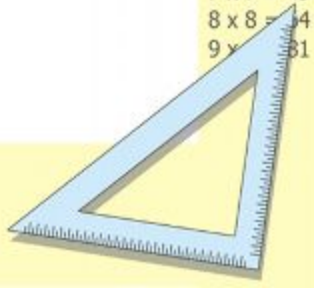
- $(x + y)(x - y) + (y - a)(y + a)$
- $(0{,}9x^7 - 2y^3)(0{,}9x^7 + 2y^3)$

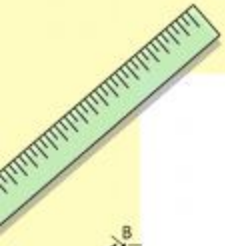




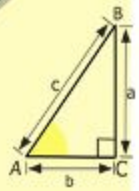










y = 1 / x

$$\begin{array}{r} 250 \\ \times\ 42 \\ \hline 210 \\ +\ 84 \\ \hline 10500 \end{array}$$

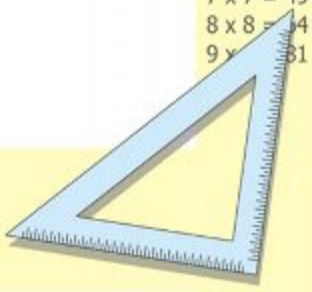
$\sin 90° = 1$

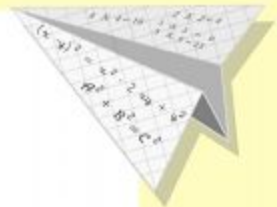
$$\begin{cases} y = \sin 90 \\ x = 25y + 45 \end{cases}$$

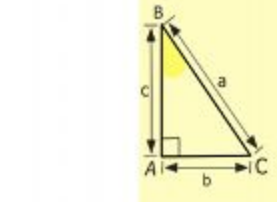
$$\begin{cases} y = 1 \\ x = 25 + 45 \end{cases}$$

$x = 70$

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







y = co

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
9 x 9 = 81

Спасибо за урок!