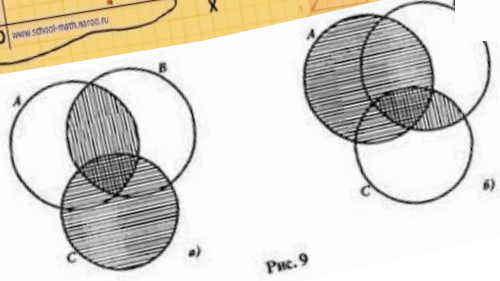
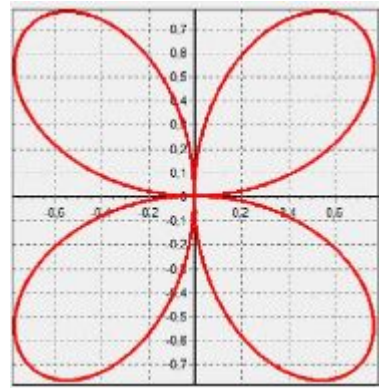
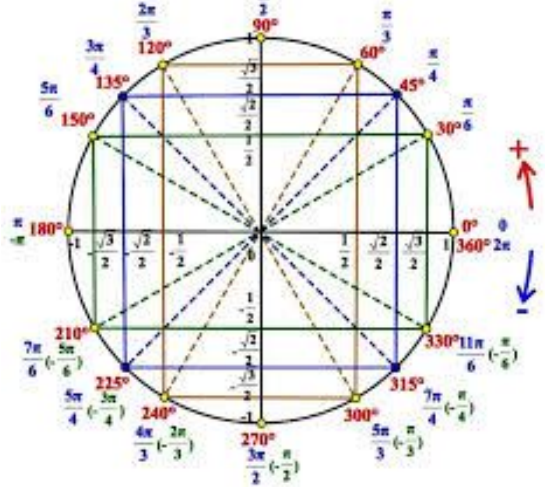
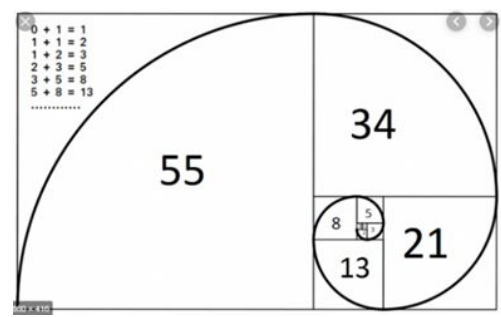
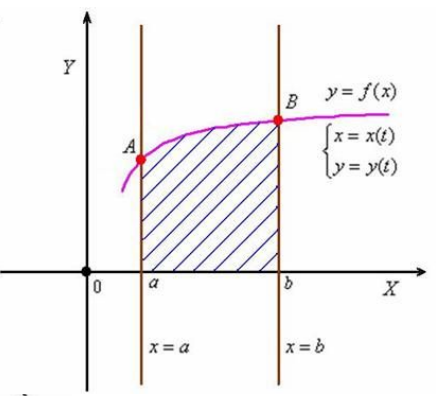


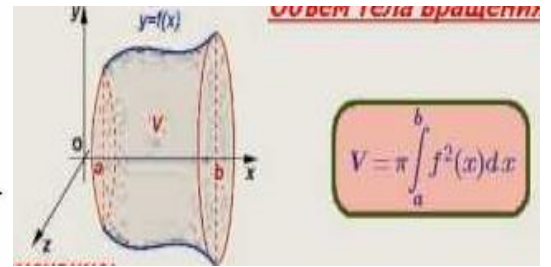
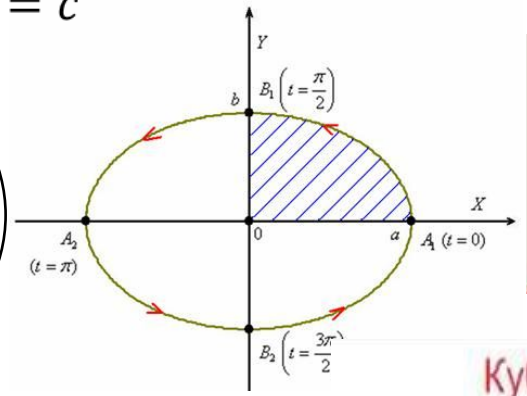
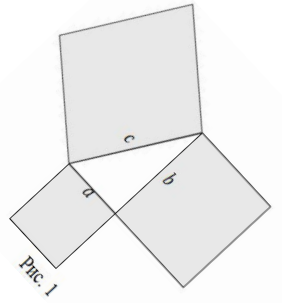
$\sin \alpha = \frac{\sqrt{N}}{2}$, где N=0,1,2,3,4 – номер пальца в «+» направлении с 0°
 $\cos \alpha = \frac{\sqrt{N}}{2}$, где N=0,1,2,3,4 – номер пальца в «-» направлении с 90°

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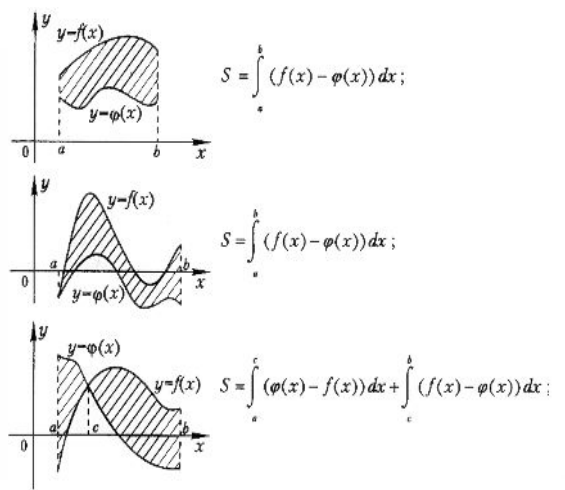
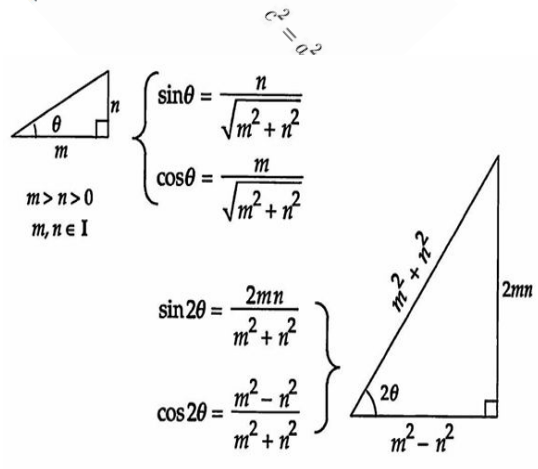


$\sin 3\alpha = 3\sin \alpha - 4\sin^3 \alpha$
 $\cos 3\alpha = 4\cos^3 \alpha - 3\cos \alpha$
 $\text{tg} 3\alpha = \frac{3\text{tg} \alpha - \text{tg}^3 \alpha}{1 - 3\text{tg}^2 \alpha}$
 $\text{ctg} 3\alpha = \frac{\text{ctg}^3 \alpha - 3\text{ctg} \alpha}{3\text{ctg}^2 \alpha - 1}$

$y^3 + py + q = 0$ $x^3 + x = c$



$R = \sqrt{\frac{S}{4\pi}}$ $R = \sqrt[3]{\frac{3 * V * \pi}{4}}$
 $r = \frac{a}{2\sqrt{6}}$ $R = \frac{a\sqrt{6}}{4}$
 $r = \frac{a}{2}$ $R = \frac{a\sqrt{3}}{2}$



Куб, призма, цилиндр и конус

$S_{\text{куб}} = a^2$
 $S_{\text{призма}} = 4a^2$
 $S_{\text{цилиндр}} = 6a^2$
 $V = a^3$

$A_1 A_2 \perp (ABC)$
 $S_{\text{призма}} = \frac{\sqrt{3}a^2}{4}$
 $S_{\text{цилиндр}} = 3ah$
 $V = S_{\text{осн}} \cdot h = \frac{\sqrt{3}a^2 h}{4}$

$S_{\text{цилиндр}} = \pi r^2$
 $S_{\text{бок}} = C \cdot h = 2\pi R \cdot h$
 $S_{\text{полн}} = 2S_{\text{осн}} + S_{\text{бок}}$
 $V = S_{\text{осн}} \cdot h$

$S_{\text{конус}} = \pi r^2$
 $S_{\text{бок}} = \frac{l}{2} C$