When \(a \ne 0\), there are two solutions to \(ax^2 + bx + c = 0\) and they are $x = -b \pm 6$ \gamma \(\frac{b^2-4ac} \over 2a\).

$$\begin{array}{ll} ax^2+bx+c=0\\ ax^2+bx&=-c\\ x^2+\frac{b}{a}x&=\frac{-c}{a}\quad \text{Divide out leading coefficient.}\\ x^2+\frac{b}{a}x+\left(\frac{b}{2a}\right)^2&=\frac{-c(4a)}{a(4a)}+\frac{b^2}{4a^2}\quad \text{Complete the square.}\\ \left(x+\frac{b}{2a}\right)\left(x+\frac{b}{2a}\right)&=\frac{b^2-4ac}{4a^2}\quad \text{Discriminant revealed.}\\ \left(x+\frac{b}{2a}\right)^2&=\frac{b^2-4ac}{4a^2}\\ x+\frac{b}{2a}&=\sqrt{\frac{b^2-4ac}{4a^2}}\\ x=\frac{-b}{2a}\pm\{C\}\sqrt{\frac{b^2-4ac}{4a^2}}\quad \text{There's the vertex formula.}\\ x=\frac{-b\pm\{C\}\sqrt{b^2-4ac}}{2a} \end{array}$$

$$4.56 + 4.56 + rac{4}{5} + 4 + 5i + 4.56e^{4.56i} + \pi + arepsilon +$$

$$\int\limits_0^1 rac{\mathrm{dx}}{(a+1)\sqrt{x}} = \pi \qquad \qquad \int_\mathrm{E} \left(lpha f + eta g
ight) \mathrm{d}\,\mu = lpha \,\,\int_\mathrm{E} \,\,f\,\,\mathrm{d}\,\mu + eta \,\,\int_\mathrm{E} \,\,g\,\,\mathrm{d}\,\mu$$

$$\sqrt{x-3} + \sqrt{3x} + \sqrt{rac{\sqrt{3x}}{x-3}} + irac{y}{\sqrt{2(r+x)}} \qquad \sum_{n=0}^t f(2n) + \sum_{n=0}^t f(2n+1) = \sum_{n=0}^{2t+1} f(n)$$

$$\sqrt{x^2} = |x| = egin{cases} +\mathbf{x} & ext{, if} & x &> 0 \ 0 & ext{, if} & x &= 0 \ -\mathbf{x} & ext{, if} & x &< 0 \end{cases} \hspace{1cm} H(j\omega) = egin{cases} x^{-j\omega\sigma_0} & ext{for} & | & \omega & | &< & \omega_\sigma \ 0 & ext{for} & | & \omega & | & & \omega_\sigma \end{cases}$$

$$x=rac{-b\pm\sqrt{b^2-4ac}}{2a} \qquad \qquad f'(a)=\lim_{\mathrm{h} o 0}rac{f(a+h)-f(a)}{h}$$

$$1+\sum_{k=1}^{\infty}rac{q^{k+k^2}}{(1-q)(1-q^2)\dots(1-q^{\mathrm{k}})}=\prod_{j=0}^{\infty}rac{1}{(1-q^{5j+2})(1-q^{5j+3})},\, ext{for }\,\,|q|<1$$